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Result
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-DB=A_Geneseq_16Dec04_-QFMT=fastan_-SUFFIX=rag_-MINMATCH=0.1_-LOOPCL=0
-LOOPEXT=0_-UNITS=bits_-START=1_-END=-1_-MATRIX=blosum62_-TRANS-human40.cdi
-LIST=45_-DOCALIGN=200_-THR_SCORE_pct_-THR_MAX=100_-THR_MIN=0_-ALIGN=15
-MODE=LOCAL_-OUTFMT=pto_-NORM=set_-HEAPSIZE=500_-MINLENG_-MAXLEN=2000000000
-USER-US09869566_@CGN_1_1_54_@runat__27052005_163130_19900_-NCPU=6_-ICPU=3
-NO_MMAP_-LARGEQUERY_-NEG_SCORES=0_-WAIT_-DSPBLOCK=100_-LONGLOG_-SGAPEXT=0.5_-FGAPOP=6
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                                                                                                                                                                                  Score
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seq length: 2000000000
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Ygapop 10.0,
Fgapop 6.0,
Delop 6.0,
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ALIGNMENTS

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    23-DEC-1998;
                                                                                   22-DEC-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 203 AA
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13-APR-1999;
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               AAGAAGGAGAAACTGATGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCGGCCCTTCATC
                                                                  GlyGluPheCysLeuTyrCysAspLysAspLysGlyGlnSerHisProSerLeuGlnLeu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Isolated interleukin-1 (IL-1) zeta nucleic acids and splice variants TDZ1, TDZ2, TDZ3 and their encoding proteins, useful as probes for identifying genes associated with diseases such as glaucoma, and insulindependent diabetes mellitus.
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10-NOV-1999;
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The present sequence is that of human interleukin-1 zeta (II-1 zeta), a CC member of the II-1 family. The sequence was determined by translation of CC the nucleotide sequence of isolated II-1 zeta CDNA (see AAA27918). II-1 CZ zeta mRNA is generated from exons 3-6 of the II-1 zeta locus. The mRNA is CC expressed most strongly in the testis, prostate, colon, brain, placenta, CC lung, foetal liver and lymph nodel stroma, lung, testis and placenta. The CC invention is directed to novel, purified and isolated II-1 zeta, II-1 CC zeta splice variants and Xec2 polypeptides (see AAY95297-301), the CC production of recombinant forms of such polypeptides, processes for CC production of recombinant forms of such polypeptides, and their uses. The CC interaction and inflammatory responses, to identify proteins associated CC with II-1 zeta, to screen for potential inhibitors, and to prepare CC antibodies. In particular, they can be used to activate and/or inhibit the induction of local tissue destruction and fever, CC inhibit and/or stimulate macrophages and vascular endothelial cells to produce II-6, induce and/or inhibit the induction of prostaglandins,

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Alignment
Pred. No.:
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DB:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to novel polynucleotide and polypeptides for treating psoriasis or a sequence having at least 80% identity to above sequences. The nucleic acid is useful for preparing a compostor diagnosing or treating psoriasis in a mammal. This sequence corresponds to one of the polypeptides of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N-PSDB;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New PRO nucleic acid or polypeptide, useful for preparing a pharmaceutical composition for diagnosing or treating psoriasis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC
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DB; ADN05879.
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AAAGCTGAAATGAGCCCCAGTGAGGTCAGCGAT
                                                                    GGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACCAGTTTTGC
                                                                                                                   GAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTT
                                                                                                                                                                        GAATCAGCACGCCGGCCCTTCATCTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTG
                                                                                                                                                                                                                           ProlleLeuLeuGlyValSerLysGlyGluPheCysLeuTyrCysAspLysAspLysGly
                                                                                                                                                                                                                                                                                                                   AAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTACATACGC
                                                                                                                                                                                                                                                                                                                                                                                                                                      AGAGGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCAGGATCAC
                                                  GlyValThrAspLysPheGluAsnArgLysHisIleGluPheSerPheGlnProValCys
                                                                                                      GluSerAlaAlaHisProGlyTrpPheIleCysThrSerCysAsnCysAsnGluProVal
                                                                                                                                                         GluSerAlaArgArgProPheIlePheTyrArgAlaGlnValGlySerTrpAsnMetLeu
                                                                                                                                                                                                             GlnSerHisProSerLeuGlnLeuLysLysGluLysLeuMetLysLeuAlaAlaGlnLys
                                                                                                                                                                                                                                                                                         CCGATTCTCCTGGGGGGTCTCTAAAGGGGGAGTTTTGTCTCTACTGTGACAAGGATAAAGGA
                                                                                                                                                                                                                                                                                                                                                                      LysValLeuValLeuAspSerGlyAsnLeuIleAlaValProAspLysAsnTyrIleArg
                                                                                                                                                                                                                                                                                                                                                                                                                           ArgGlyProLysValLysAsnLeuAsnProLysLysPheSerIleHisAspGlnAspHis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 2275; 3069pp; English
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Conservative:
Mismatches:
Indels:
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AAY95300

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Best Local Similarity:
Query Match:
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                                                                                                                                                                                                                                  Pred. No.:
                                                                                                                                                                                                                                                 Alignment
                                                                                                                                                                                                                                                                                                         The present sequence is that of splice variant TDZ.2 (testis-derived zeta CC variant) of human interleukin-1 zeta (II-1 zeta). TDZ.2 mRNA is generated CC from exons 1, 4, 5 and 6 of the II-1 zeta locus, and the encoded protein CC is probably a functional II-1 like molecule. TDZ.2 mRNA is expressed most CC envel, purified and isolated II-1 zeta, its splice variants and Xrec2 CC polypeptides (see AAY95297-301), the nucleic acids (see AAAZ7918-22) CC encoding such polypeptides, processes for production of recombinant forms CC of such polypeptides, and their uses. The polypeptides can be used to CC study cellular processes such as immune regulation, cell proliferation, cell death, cell migration, cell-to-cell interaction and inflammatory CC responses, to identify proteins associated with II-1 zeta, to screen for potential inhibitors, and to prepare antibodies. In particular, they can be used to activate and/or inhibit the activation of vascular endothelial CC tissue destruction and fever, inhibit and/or stimulate macrophages and CC used and prostaglandins, nitric oxide synthetase, and considered in the produce II-6, induce and/or inhibit the upregulation of metalloproceases, and upregulate and/or inhibit the upregulation of collecules on the surface of vascular endothelial cells
                                                                                                                                                                                                                                                                                 Sequence 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Isolated interleukin-1 (IL-1) zeta nucleic acids and splice variants TDZ1, TDZ2, TDZ3 and their encoding proteins, useful as probes for identifying genes associated with diseases such as glaucoma, and insulindependent diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sims JE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-DEC-1998;
10-NOV-1999;
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                  115
                                                   16
AAGGTGAAGAACTTAAACCCGAAGAATTCAGCATTCATGACCAGGATCACAAAGTACTG
                                                 AspTrpGluLysAspGluProGln----
                                                                                 GACTACAAAGACGATGACGACAAGCTTGCGGCCGCGAATTCAGCTCTTTGCAGAGGTCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Page 11; 87pp; English.
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                                                                                                                                                                                                                                                                                 AA;
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d zeta
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99US-0164675P.
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79.54%
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variant; therapy; inflammation; fever
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Conservative:
Mismatches:
Indels:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Interleukin-1; IL-1H4; antiinflammatory; antibacterial; antiallergic;
immunosuppressive; antipsoriatic; antiarthritic; cytostatic; antiHIV;
cerebroprotective; antiasthmatic; vasotropic; vulnerary; osteopathic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Interleukin-1 homologue (IL-1H4) mature polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB85138;
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                                                                                                                                                                                                                                                                      Kumar S,
                                                                                                                                                                                                                                                                                                                             (SMIK ) SMITHKLINE BEECHAM CORP
                                                                                                                                                                                                                                                                                                                                                                                01-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  immunostimulant; antiarteriosclerotic; nootropic; neuroprotective;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                therapy;
                                                                                                                                                                                                                   2001-389949/41.
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                                                                                                                                   Interleukin-1 homolog, IL-1H4, for treating chronic and acute mmation, septicemia, autoimmune diseases, transplant rejection,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               90
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inflammation, septicemia, autoimmus graft versus host disease, stroke,

ischemia,

allergy

asthma.

Claim 1;

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29; 30pp; English

The invention provides an isolated interleukin-1 homologue,

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RESULT 6
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hIL-1Ra1L; human interleukin-1 receptor antagonist-1 long; IL-1lp;
osteopathic; interleukin-1-like polypeptide; anti-inflammatory;
                                                                                                                     AAY96938;
                                                 Human IL-1 receptor antagonist 1 long.
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                                                                                                                                                                                                                                                                                                                                                                                                                                          CC polypeptide (IL-11p) that retains one or more activities of the peptide (CC polypeptide (IL-11p) that retains one or more activities of the peptide (CC from which it is derived, such as the IL-18R binding activity of a human (CC interleukin-1 receptor antagonist-1 (hIL-1Ral) polypeptide, is new. The CC nucleic acids may be used in molecular engineering applications, e.g. (CC hybridization assays and chromosome and gene mapping studies, for CC recombinantly producing the IL-11p polypeptide or for producing gene (CC knock out animals to study the role of the protein in metabolism and (CC disease processes (conversely, gene therapy protocols may be used to (CC supplement a patients production of the polypeptide or to rectify (CC mutations that lead to the production of in active peptides). The (CC antibodies) of IL-11p protein expression and active the production and active the production and active peptides) of IL-11p protein expression and active that is a inflammatory disorders, asthma, arthritis, sepsis, acute lung injury, adult respiratory distress (CC syndrome, idiopathic pulmonary fibrosis, ischemic reperfusion disease, (CC contribute) and disease, disease and/or inflammatory bease disease.
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22-JAN-1999;
13-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Nucleic acids encoding interleukin-1-like polypeptides, useful for preventing and treating e.g. inflammation, asthma and psoriasis.
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anti-ischemic; dermatalogical; immunomodulatory; gastrointestinal;
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                                               ATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAAAGGAAAGTCCGATT
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                                                                                                                                                                                                                                                                                                                                                                                                                                   graft versus host disease and/or inflammatory bowel disease
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99US-0116843P.
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                                                                                       binding"
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                                                                                                                                   /label= Beta_strand
114. .117
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65. .67
                                                                                                              /note= "Variable loop
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73. .76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "Variable loop region involved in receptor
  /note=
                                        /label=_Beta_strand
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"Variable loop region involved in receptor
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Percent Similarity:
Best Local Similarity:
Query Match:
DB:
                                                     Alignment
Pred. No.:
                                            Score:
                                                                                                      The present sequence is the human interleukin (IL)-1 homolog zilla4 protein. This protein contains a core structure of 12 beta-strands wound into a beta-barrel, with the beta-strands seperated from each other by loops. The loops between these beta-strands are highly variable among the family members and are believed to be involved in receptor binding. The zilla4 proteins modulate inflammation and other immunological processes and are therefore useful for treatment of arthritis, psoriasis, septic shock, graft-versus-host disease and leukaemia. Other diseases that may be modulated by zilla4 proteins include cancer, anaemia, inflammatory bowel disease, acute and chronic neuropathologies, shock, respiratory disease syndrome, restenosis and acquired immune deficiency syndrome
                                                                                                                                                                                                                                                                                                                                                                                      27-OCT-1998;
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                                                                                                                                                                                                                                           Claim 4;
                                                                                                                                                                                                                                                                 disease,
                                                                                                                                                                                                                                                                                                                       WPI;
                                                                                                                                                                                                                                                                           Immunomodulatory interleukin-1 homolog zilla4 proteins, useful for
treatment of e.g. arthritis, psoriasis, septic shock, graft-versus-host
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132. .138
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/label= Beta_strand
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         190. .200
/note= "Variable loop
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/note= "Variable loop region involved
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US-09-869-566-4 (1-650) x AAY70927 (1-218)

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                                                                                                                                                                                                                            plasma
                                                                                                                                                                                                                                    Primate; interleukin-1 like; IL-1-zeta; hypoglycemia; plasma iron; plasma zinc;
                                                                                                                                                                                                                                                                  Primate interleukin-1 like molecule (IL-1-zeta) alternative sequence.
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                                                                                                                                                                                                                            copper.
                                                                                                 -site
                                                                                                                                                                                                                                                                                                                                                                  GAAATGAGCCCCAGTGAGGTCAGCGAT 618
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                                                                                                                                                                                                                                                                                       (first entry)
                                                                    /note= "forms a loop which is part of a primary binding
segment to the IL-1 receptor type"
107. .113
          /label= beta_strand_7
                                                                                                                                                                             Location/Qualifiers 58. .64
                                                                                                                                                                /label= beta_strand_1
                                   118. .126
/label=_beta_strand_6
                                                                                                        /label=
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                                                                                                                                             /label= beta_strand_2
/label= beta_strand_8
                                                        /label= beta_strand_
                                                                                                                                                                                                                                                                                                                            protein;
                                                                                                        beta_strand_4
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acute liver response;
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                                                                                                                                                                                                                                                                                                                         Pred: No.:
                                                                                                                                                                                                                                                                                                                                                                                        The present sequence is an alternative primate interleukin-1 like molecule, designated IL-1-zeta. The 12 beta strands, indicated in the features table, fold into a beta-trefoil fold. The specification claims an isolated or recombinant polypeptide that: (a) specifically binds polyclonal antibodies generated against at least a 12 consecutive amino acid segment of IL-1-zeta (see AAY91884) or its allelic variant (see AAY91885); and (b) comprises at least one sequence selected from: AAY91886-903 or AAY91904-06. The preferred 12 consecutive amino acid segment is chosen from AAY91907-18 or AAY9199-21. IL-1-zeta is likely to play a role in systemic inflammatory reactions, such as fever, hypoglycemia, reduced plasma iron and zinc, the acute response of the liver, and increase plasma copper: IL-1-zeta binding compounds (comprising antigen binding sites) and IL-1-zeta polypeptides are also useful for both diagnostic and therapeutic purposes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New mammalian interleukin 1 like molecule, for diagnostic and therapeutic purposes, co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2000-283588/
N-PSDB; AAA08513.
                                                                                                                                                                                                                                                                                                                                                                 Sequence 218 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; Page 103-104; 110pp; English
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LeuValLeuAspSerGlyAsnLeuIleAlaValProAspLysAsnTyrIleArgProGlu
                                                                                                                            CTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTACATACGCCCAGAG
                                                                                                                                                                  ProLysValLysAsnLeuAsnProLysLysPheSerTleHisAspGlnAspHisLysVal
                                                                                                                                                                                             CCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCAGGATCACAAAGTA 171
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176. .180
/label= beta_strand_10
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comprises a 128 amino acid
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RESULT 9
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                   The present sequence is that of splice variant TDZ.1 (testis-derived zeta variant) of human interleukin-1 zeta (II-1 zeta) TDZ.1 mRNA is generated from exons 1, 2, 4, 5 and 6 of the II-1 zeta locus, and the encoded protein is probably a functional II-1 like molecule. TDZ.1 mRNA is expressed most strongly in the kidney, skeletal muscle, testis, prostate, ovary, colon, small intestine, liver, placenta, lung, tonsil, foetal liver, lymph mode and bone marrow. The invention is directed to novel, purified and isolated II-1 zeta, its splice variants and Xrec2 polypeptides (see AAY95297-301), the nucleic acids (see AAA27918-22) encoding such polypeptides, processes for production of recombinant forms of such polypeptides, and their uses. The polypeptides can be used to study cellular processes such as immune regulation, cell proliferation, cell death, cell migration, cell-c-cell interaction and inflammatory responses, to identify proteins associated with II-1 zeta, to screen for
                                                                                                                                                                                                                                                                                                                                                                                                                                Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Isolated interleukin-1 (II-1) zeta nucleic acids and splice variants TDZ1, TDZ2, TDZ3 and their encoding proteins, useful as probes for identifying genes associated with diseases such as glaucoma, and insudependent diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     N-PSDB;
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10-NOV-1999;
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)B; AAA27920.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      be used to activate and/or inhibit the activation of vascular endothe clean distribution of induction of local cells and lymphocytes, induce and/or inhibit the induction of local tissue destruction and fever, inhibit and/or stimulate macrophages an vascular endothelial cells to produce IL-6, induce and/or inhibit the
                                      hII-1RalV; human interleukin-1 receptor antagonist-1; II-1lp; osteopathic; interleukin-1-like polypeptide; anti-inflammatory; vaccine; anti-asthmatic; anti-arthritic; antimicrobial; respiratory; vaccine; anti-ischemic; dermatalogical; immunomodulatory; gastrointestinal;
                                                                                                    Human
                                                                                                                                                       AAY96940;
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                                                                                                                                                                                                                                                                                                                                   US-09-869-566-4 (1-650) x AAY96940 (1-218)
                                                                                                                                                                                                                                                                                                                                                                                                                     Percent Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CC An isolated nucleic acid molecule encoding an interleukin-1-like Cpolypeptide (IL-1lp) that retains one or more activities of the peptide Crom which it is derived, such as the IL-18a) polypeptide, is new. The CC nucleic acids may be used in molecular engineering applications, e.g. Chybridization assays and chromosome and gene mapping studies, for CC hybridization assays and chromosome and gene mapping studies, for CC recombinantly producing the IL-1lp polypeptide or for producing gene CC (IL-10) control of the protein in metabolism and CC disease processes (conversely, gene therapy protocols may be used to supplement a patients production of the polypeptide or to rectify CC mutations that lead to the production of in active peptides). The peptides produced may be used to screen for and produce modulators (e.g. antibodies) of IL-1lp protein expression and activity which may be use to treat disorders associated with inappropriate IL-1lp expression and activity, such as inflammatory disorders, asthma, arthritis, osterials, sepsis, acute lung injury, adult resperiatory distress syndrome, idiopathic pulmonary fibrosis, ischemic reperfusion disease, CC psoriasis, graft versus host disease and/or inflammatory bowel disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nucleic acids encoding interleukin-1-like polypeptides, useful for preventing and treating e.g. inflammation, asthma and psoriasis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Goddard A,
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13-APR-1999;
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                                                                                                                                                    ATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAAAGGAAGTCCGATT
                                                                                                                                                                                                                 CTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTACATACGCCCAGAG
                                                                                                                                                                                                                                                                                    CCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCAGGATCACAAAGTA
                                                                                                                                                                                                                                                                  ProLysValLysAsnLeuAsnProLysLysPheSerIleHisAspGlnAspHisLysVal
               CATCCATCCCTTCAGCTGAAGAAGGAGAAACTGATGAAGCTGGCCGCCCAAAAGGGAATCA
                                                             LeuLeuGlyValSerLysGlyGluPheCysLeuTyrCysAspLysAspLysGlyGlnSer
                                                                                                 CTCCTGGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGACAAGGATAAAGGACAAAGT
                                                                                                                                 IlePhePheAlaLeuAlaSerSerLeuSerSerAlaSerAlaGluLysGlySerProIle
                                                                                                                                                                                                LeuValLeuAspSerGlyAsnLeuIleAlaValProAspLysAsnTyrIleArgProGlu
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99US-0129122P.
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                                         The present sequence is human interleukin-1 homologue (IL-1H4). IL-1H4 useful for treating conditions such as chronic and acute inflammation, septicaemia, autoimmune diseases (e.g. inflammatory bowel disease, psoriasis, and arthritis), transplant rejection, graft versus host disease, infection, stroke, ischaemia, acute respiratory disease, allergies, asthma, restenosis, brain injury, AIDS, bone diseases (e.g. osteopprossis), cancer, congestive heart failure, atherosclerosis, and Alzheimer's disease, related to either an excess of, or an under-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; interleukin-1 homologue; IL-1H4; inflammation; septicaemia; autoimmune disease; inflammatory bowel disease; psoriasis; arthritis; transplant rejection; graft versus host disease; infection; stroke; ischaemia; acute respiratory disease; allergy; asthma; restenosis; brain injury; AIDS; bone disease; osteoporosis; cancer; congestive heart failure; atherosclerosis; Alzheimer's disease.
                                                                                                                                                                                                                    Interleukin-1 homolog useful for treating conditions such as chronic and acute inflammation, septicemia, autoimmune diseases ischemia, acute respiratory disease, allergies, and asthma.
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                                                                                                                                                                                      Claim 1;
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                                                                                                                                                                                                                                                                                                   WPI; 2000-687155/67.
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                                                                                                                                                                                     Page 28-29; 30pp; English.
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                             Of,
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                             IL-1H4 polypeptide activity
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Alignment Scores: Pred. No.:

Percent Similarity:

1.34e-93 895.00 100.00%

Length:
Matches:
Conservative:

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                                         WPI; 200
N-PSDB;
                                                                                                                                                                                                                                                                                                                      EP1092773-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB47186 standard;
New human interleukin-1-related polypeptide and polynucleotide, useful
                                                                                                                                                                                          15-OCT-1999;
                                                                                                                                                                                                                                 11-OCT-2000; 2000EP-00308948
                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
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natural killer activity; immune system; gene therapy; immunodeficien
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IL-1 related polypeptide.
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                                         2001-275206/29.
DB; AAC85680.
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  Human; interleukin identification.
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RESULT 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This sequence represents an interleukin-1 (II-1)-related polypeptide. II-1 related polypeptide was isolated from HPB-MLT cells, FERM-BP-2430, an established human T-cell line. II-1 related polypeptide is useful for inhibiting natural killer (NK) activity, which is related to the immune system of mammals. The DNA encoding the II-1 related polypeptide is useful in gene therapy of patients in need of NK activity inhibition and others suffering from immunodeficiency
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             for gene therapy and in developing drugs as regulators of natural activity, are capable of inhibiting natural killer activity.
                                                                                                AAG68116;
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                                         Human interleukin 1 family protein SEQ ID NO:2
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                                                                                                                           standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               LeuLeuGlyValSerLysGlyGluPheCysLeuTyrCysAspLysAspLysGlyGlnSer
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IL-1;

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factor; Tango-77; diagnosis;

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Pred. No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present sequence represents a human interleukin 1 (IL-1) family protein having a combining affinity to a receptor of a protein of human IL-1 family higher than Tango-77. The protein is useful for the development of diagnostic, treating and/or preventive agents for various
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 218 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            An IL-1 family protein, treatment agents.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1;
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DB; AAI71179.
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GAAATGAGCCCCAGTGAGGTCAGCGAT
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                                                                                                                                                                                                                               ATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAAAGGAAGTCCGATT
                                                                                                                                                                                                                                                                                                                                  LeuValLeuAspSerGlyAsnLeuIleAlaValProAspLysAsnTyrIleArgProGlu
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                                    ThrAspLysPheGluAsnArgLysHisIleGluPheSerPheGlnProValCysLysAla
                                                  ACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACCAGTTTGCAAAGCT
                                                                                   AlaAlaHisProGlyTrpPheIleCysThrSerCysAsnCysAsnGluProValGlyVal
                                                                                                            GCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGGGGTG
                                                                                                                                    AlaArgArgProPheIlePheTyrArgAlaGlnValGlySerTrpAsnMetLeuGluSer
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                                                                   Pred.
                                                                                Alignment
                                                     Score:
                                                                                                                             The invention provides an isolated interleukin-1 homologue, II-1H4 polypeptide. The II-1H4 polypeptide can be expressed by standard recombinant methodology. The II-1H4 polypeptide, polynucleotides and modulators are useful for treating chronic and acute inflammation, septicemia, autoimmune diseases (e.g., inflammatory bowel disease, psoriasis and arthritis), transplant rejection, graft versus host disease, infection, stroke, ischemia, acute respiratory disease syndrome, allergies, asthma, restenosis, brain injury, AIDS, bone diseases (e.g., osteoporosis), cancer (e.g., lymphoproliferative disease, The II-1H4 polymucleotides are useful as diagnostic reagents and for chromosome identification. The present sequence represents the II-1H4 polypeptide
                                                                                                                                                                                                                                                                                                                                        Novel Interleukin-1 homolog, IL-1H4, for treating chronic and acute inflammation, septicemia, autoimmune diseases, transplant rejection, graft versus host disease, stroke, ischemia, allergy and asthma.
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                                                                                                                                                                                                                                                                                                                Example; Page 29; 30pp; English.
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US-09-869-566-4

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inflammatory disorder; infection; allergy; cancer; human.
                   18-SEP-1998;
                                                  17-SEP-1999;
                                                                                                                   US6680380-B1.
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New nucleic acid molecules encoding mammalian interleukin-1 polypeptides, useful for diagnosing, preventing or treating diseases associated with abnormal expression of interleukin, e.g. inflammation, infection or
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The invention relates to an isolated or recombinant nucleic acid encoding interleukin-lzeta polypeptide. The invention is useful in gene therapy. The composition and methods are useful in diagnosing or treating degenerative or abnormal conditions which directly or indirectly involve development, differentiation or function, e.g. of the immune system and/or haematopoietic cells. The invention may also be used for preventing or treating other diseases or disorders associated with abnormal expression or triggering of response to the interleukin, such as inflammatory disorders, infection, allergies or cancer. The present sequence is human interleukin-lzeta variant.

d. No.:	1.34e-93	Length:	218
re:	895.00	Matches:	169
cent Similarity:	100.00%	Conservative:	0
a	100.00%	Mismatches:	0
ry Match:	78.92%	Indels:	0
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Search completed: May 28, 2005, 17:35:18 Job time: 95 secs

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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7
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US-09-128-155-5

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US-09-398-412B-4
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 218
TYPE: PRT
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APPLICANT: Timans, Jacqueline C.
TITLE OF INVENTION: Nucleic acids encoding mammalian interleukin-1zeta, related reage
TITLE OF INVENTION: methods
FILE REFERENCE: DX0904K
CURRENT APPLICATION UNMEER: US/09/398,412B
CURRENT FILING DATE: 1999-09-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 4, Application US/09398412B Patent No. 6680380
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Qy 130 AACCCGAAGAATTCAGCATT Db 56 ABNPROLYSLYSPHESETILE Db 56 ABNPROLYSLYSPHESETILE Qy 190 AATCTCATAGCAGTTCCAGAT Db 76 ABNLEUIIeAlaValProABD Qy 250 TCATCCTTGAGCTCAGCCTCT Db 96 SerSerLeuSerSerAlaSer	-09-869-566- 55 16 106	Alignment Scores: Pred. No.: \$63.50 Score: Percent Similarity: B7.198 Best Local Similarity: Query Match: 76.158 DB:	RESULT 3 US-09-398-412B-2 US-09-398-412B-2 Sequence 2, Application US/09398412B Patent No. 6680380 GENERAL INFORMATION: APPLICANT: Timans, Jacqueline C. TITLE OF INVENTION: Nucleic acids encod TITLE OF INVENTION: methods FILE REFERENCE: DX0904K CURRENT FILING DATE: 1999-09-17 PRIOR APPLICATION NUMBER: US 60/100948 PRIOR FILING DATE: 1999-09-17 PRIOR APPLICATION NUMBER: US 60/100948 NUMBER OF SEQ ID NOS: 15 SOFTWARE: Patentin version 3.1 SEQ ID NO 2 LENGTH: 218 TYPE: PRT ORGANISM: Homo sapiens US-09-398-412B-2	Qy 592 GAAATGAGCCCCAGTGAGGTCAGCGAT	Oy 532 ACAGATAAATTTGAGAACAGG 	Qy 472 GCGGCTCACCCCGGATGGTTC	Qy 412 GCACGCCGGCCCTTCATCTTT	352 130	Db 110 LeuLeuGlyValSerLysGly
	1-218)GCCGCGAATTCAGCTCTTTGC	Length: 218 Matches: 172 Conservative: 5 Mismatches: 11 Indels: 15 Gaps: 2	ing mammalian interleukin-1zeta, 12B	CAGCGAT 618 SerAsp 218	ACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACCAGTTTGCAAAGCT 	GCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGGGGTG	GCACGCCGGCCCTTCATCTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCG 		
189 75 75 249 95 309	105 35 129		related		591 209	531 189	471 169	411 149	129

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; TYPE: PRT
; ORGANISM: Homo &
US-09-128-155-7
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TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 7
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Patent No. 6117654
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           AAACTGATGAAGCTGGCCGAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGG
                                                  CysLeuTyrCysAspLysAspLysGlyGlnSerHisProSerLeuGlnLeuLysLysGlu
                                                                  AGCTCAGCCTCTGCGGAGAAAGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTT
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Sequence 2; Application US/09128155; Patent NO. 6117654; GENERAL INFORMATION:
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/05201
CURRENT APPLICATION NUMBER: US/09/128,155; CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER APPLICATION NUMBER: US 60/094,646; EARLIER FILING DATE: 1998-07-02
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
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                                                    ThrSerCysAsnCysAsnGluProValGlyValThrAspLysPheGluAsnArgLysHis
                                                                                                       AlaGlnValGlySerTrpAsnMetLeuGluSerAlaAlaHisProGlyTrpPheIleCys
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Matches:
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CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FASUSEQ for Windows Version 3.0
SEQ ID NO 11
                                                                                                                                                                    US-09-128-155-5
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Query Match:
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US-09-128-155-11
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Patent No. 6117654
GENERAL INFORMATION:
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
           GENERAL INFORMATION:
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
                                                                                                                           Sequence 5, Application US/09128155
Patent No. 6117654
CURRENT FILING DATE: 1998-08-03
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ORGANISM: Homo sapiens
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; LENGTH: 115
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-128-155-9
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US-09-128-155-9
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 Percent Similarity:
                                  Pred. No.:
                                                                                                                                             APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                 Sequence 9, Application Patent No. 6117654
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EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
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SOFTWARE: FastSEQ for Windows Version
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ORGANISM: Homo
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Percent Similarity:
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Query Match:
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                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 13, Application Patent No. 6117654
                                                                                                                                                                                                                                                                                                                                    APPLICANT: Pan, Yang
TITLE OF INVENTION: AND USES THEREOF
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION WHEER: US 60/091,650
EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
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                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo
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                                                AAGGATAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAACTGATGAAGCTG
                                                                                  GluLysGlySerProlleLeuLeuGlyValSerLysGlyGluPheCysLeuTyrCysAsp
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GENERAL INFORMATION:

APPLICANT: Pan, Yang

TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAM.

TITLE OF INVENTION: AND USES THEREOF

FILE REFERENCE: 09404/052001

CURRENT APPLICATION NUMBER: US/09/128,155

CURRENT FILING DATE: 1998-08-03

EARLIER APPLICATION NUMBER: US 60/091,650

EARLIER FILING DATE: 1998-07-02

EARLIER APPLICATION NUMBER: US 60/054,646

EARLIER FILING DATE: 1997-08-04

NUMBER OF SEQ ID NOS: 18

SOFTWARE: FASTSEQ for Windows Version 3.0

SEQ ID NO 18
                                                                                                                                                                                                                                                                                                                                                             US-09-869-566-4 (1-650) x US-09-128-155-18 (1-185)
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NAME/KEY: synthetically generated

LOCATION: (1)...(185)

OTHER INFORMATION: human sequence predicted using an alignment algorithm which

OTHER INFORMATION: predicts presence of alternatively spliced exons for a protein

OTHER INFORMATION: interest in a stretch of genomic DNA
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                                                                                                                                                                            TTCATCTTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCC
                                                                                                               CAGCTGAAGAAGGAGAGACTGATGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCGGCCC
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PheIlePheTyrArgAlaGlnValGlySerTrpAsnMetLeuGluSerAlaAlaHisPro
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GENERAL INFORMATION:
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GENERAL INFORMATION:
Interleukin-1
TITLE OF INVENTION: Beta (IL-1RA_)
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/790,032
FILING DATE: 28-JAN-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Schreck, Patricia A REGISTRATION NUMBER: 33,777 REFERENCE/DOCKET NUMBER: ATG50051 TELECOMMUNICATION INFORMATION: TELEPHONE: 610-270-5031
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MOLECULE TYPE:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
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ADDRESSEE: SmithKline Beecham Corporation
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OPERATING SYSTEM:
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TTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAG---AAAGGAAGTCCGATTCTCCTGGGG
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                                                                                     TCTGGGAATCTCATAGCAGTTCCAGATAAAAACTACATACGCCCAGAGATCTTCTTTGCA 243
                                                                                                                     -----ProlleThrGlyThrIleAsnAspLeuAsnGlnGlnValTrpThrLeuGln 38
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TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS LENGTH: 169 amino acid
                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: 610-270-5219
                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA: 09/007,464; and 08/790,032 APPLICATION NUMBER: 09/007,464; and 28-JAN-1997 FILING DATE: filed 14-JAN-1998; and 28-JAN-1997 ATTORNEY/AGENT INFORMATION: NAME: Han, William, T. REGISTRATION NUMBER: 34,344 REFERENCE/DOCKET NUMBER: ATG50051-2
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CORRESPONDENCE ADDRESS
                                                                                                                                                                   MOLECULE TYPE:
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Interleukin-1 Recepto
Beta (IL-1RA_)
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Matches:
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CURRENT FILING DATE: 2000-01-28
EARLIER APPLICATION NUMBER: 09/069,619
EARLIER FILING DATE: 1998-04-29
EARLIER APPLICATION NUMBER: 09/007,464
EARLIER FILING DATE: 1998-01-14
EARLIER APPLICATION NUMBER: 08/790,032
EARLIER FILING DATE: 1997-01-28
NUMBER OF SEQ ID NOS: 2
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APPLICANT: Peter R. Young
TITLE OF INVENTION: INTERLEUKIN-1 RECEPTOR ANTAGONIST BETA
TITLE OF INVENTION: (IL-IRAB)
FILE REFERENCE: ATG-50051-D1
                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 2
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                                                   AspAlaAspGlyGlyArgAlaValTyrGlnSerMetCysLys----
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TITLE OF INVENTION: Nucleic acids encoding ma:
TITLE OF INVENTION: methods
FILE REFERENCE: DXO904K
CURRENT APPLICATION NUMBER: US/09/398,412B
CURRENT FILING DATE: 1999-09-17
PRIOR APPLICATION NUMBER: US 60/100948
PRIOR FILING DATE: 1998-09-18
NUMBER OF SEQ ID NOS: 15
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LENGTH: 169
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ORGANISM: Homo
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                                                   244 TTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAG---AAAGGAAGTCCGATTCTCCTGGGG 300
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                IleThrCysLysTyrProGluAlaLeuGluGlnGlyArgGlyAspProIleTyrLeuGly
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                                                                                  GlyGlnAsnLeuValAlaValProArgSerAspSerValThrProValThrValAlaVal
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APPLICANT: RENSHAW, Blair R.

APPLICANT: RENSHAW, Blair R.

TITLE OF INVENTION: IL-1 ETA DNA AND POLYPEPTIDES

FILE REFERENCE: 2932-B

CURRENT APPLICATION NUMBER: US/09/976,472A

CURRENT FILING DATE: 2001-10-11

PRIOR APPLICATION NUMBER: POT/US00/14435

PRIOR FILLING DATE: 2000-05-25

PRIOR PILLING DATE: 1999-10-29

PRIOR APPLICATION NUMBER: 60/162,331

PRIOR APPLICATION NUMBER: 60/162,331

PRIOR APPLICATION NUMBER: 60/135,758

PRIOR FILING DATE: 1999-10-25

PRIOR FILING DATE: 1999-05-25

NUMBER OF SEQ ID NOS: 9

PRIOR FILING DATE: 1999-05-25
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US-09-976-472A-2
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GENERAL INFORMATION:
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                                                                                                  370 AAGAAGGAGAAACTGATGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCGGCCCTTCATC 429
                                                                                                                                                                250 TCATCCTTGAGCTCAGCCTCTGCGGAGAAAGGAAGTCCGATTCTCCTGGGGGTCTCTAAA 309
                                                                                                                                                                                                                                                                                                                                           193 CTCATAGCAGTTCCAGATAAAAACTACATACGCCCAGAGATCTTCTTTGCATTAGCC--- 249
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                                                             87
                                                                                                                                                                                                                     49 ArgAspThrGluPheSerAspLysGluLysGlyAsnMetValTyrLeuGlyIleLysGly 68
                                                                                                                                                                                                                                                                                                        29
                                                                                                                                         69 LysAspLeuCysLeuPheCysAlaGluIleGlnGlyLys-----ProThrLeuGlnLeu 86
                                                                                                                                                                                                                                                                                                                                                                                  9 ProLysSerTyrAlaIleArgAspSerArgGlnMetValTrpValLeuSerGlyAsnSer 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGGGGTTGACAGATAAA 540
TTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGG 489
                                                           LysGluLysAsnIleMetAspLeuTyrValGluLysLys---AlaGlnLysProPheLeu 105
                                                                                                                                                                                                                                                                                                    LeulleAlaAlaProLeuSerArgSerlleLysProValThrLeuHisLeulleAlaCys 48
                                                                                                                                                                                                                                                                                                                                                                                                                       CCGAAGAAATTCAGCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAAT 192
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PhelleAlaThrSerThrThrSerGlyGlnProllePheLeuThr 140

Search completed: May 28, 2005, 17:41:22 Job time : 42.5 secs

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-Q-/Ggn2 1/USPTO prolip/US9869566/runat 27052005 163131 19922/app query.fasta 1.839
-DB=PR 79 -QFMT=fastan -SUPFIX=rpr -MINMATCH=0.1 -LOOPEXT=0
-UNITS=bits -START=1 -END=-1 -MATRIX=blosum62 -TRANS=human40.cdi -LIST=45
-DCCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALICW=15 -MODE=LOCAL
-OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=200000000
-USER=US09869566 @CGN 1 1 38 @runat 27052005 163131 19922 -NCPU=6 -ICPU=3
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-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
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ALIGNMENTS

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R;Mulero, J.J.; Pace, A.M.; Nelken, S.T.; Loeb, D.B.; Correa, T.R.; Drmanac, Biophys. Res. Commun. 263, 702-706, 1999
A;Title: ILIHY1: A novel interleukin-1 receptor antagonist gene.
A;Reference number: JC7104; MUID:99443727; PMID:10512743
A;Accession: JC7104 망 δ 맑 Ś interleukin-1 receptor antagonist - human
C;Species: Homo sapiens (man)
C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
C;Accession: JC7104 Percent Similarity: Best Local Similarity: A;Cross-references: UNIPROT:Q9UBHO; GB:AF186094; NID:g6049804; PIDN:AAF02757.1; PID:g6049 C;Genetics: A; Molecule type: mRNA A; Residues: 1-155 < MUL> US-09-869-566-4 (1-650) x JC7104 (1-155) Query Match: Alignment Scores: C; Keywords: macrophage A; Map position: 2q14 A;Gene: illhy1 No.: 151 CATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGAT 12 LysAspSerAlaLeuLysValLeuTyrLeuHisAsnAsnGlnLeu-91 AATTCAGCTCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATT 4 SerGlyAlaLeuCys-----PheArgMet 11 1.45e-09 174.50 42.60% 31.95% 15.39% Conservative: Mismatches: Length: Matches: Gaps: Indels: 210 150 26 R.; Ford,

211 AAAAACTACATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCT 270

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⊘A;Reference
                                                             A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-178 <RES>
A;Cross-references: GB:M74294; NID:g198387; PIDN:AAA39309.1; PID:g198388
R;Zahedi, K.A.; Uhlar, C.M.; Rits, M.; Prada, A.E.; Whitehead, A.S.
Cytokine 6, 1-9, 1994
A;Title: The mouse interleukin 1 receptor antagonist protein: gene struct
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A;Title: Interleukin 1 receptor antagonist is a member of the interleukin 1 gen A;Reference number: A40956; MUID:91271363; PMID:1828896
A;Accession: B40956
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A; Molecule type: mRNA
A; Residues: 23-178 < CSHU>
A; Residues: 23-178 < CSHU>
A; Cross-references: GB: S64082; NID: g238584; PIDN: AAB20265.1; PID: g238585
A; Experimental source: peritoneal macrophages, ICR strain
A; Note: sequence extracted from NCBI backbone (NCBIN: 64082, NCBIP: 64085)
R; Zahedi, K.; Seldin, M.F.; Rits, M.; Ezekowitz, R.B.; Whitehead, A.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: GB:M63100; NID:g198389; PIDN:AAA39310.1; PIR; R;Shuck, M.E.; Esesalu, T.E.; Tracey, D.E.; Bienkowski, M.J. Eur. J. Immunol. 21, 2775-2780, 1991
A;Title: Cloning, heterologous expression and characterization A;Reference number: A49031; MUID:92037824; PMID:1834470
A;Accession: A49031
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                                                                                                                                                                                                                                                                                                                                                                                                        R;Zahedi, K.; Seldin, M.F.; Rits, M.; Ezekowitz, R.B.; Whit J. Immunol. 146, 4228-4233, 1991
A;Title: Mouse IL-1 receptor antagonist protein: Molecular A;Reference number: 156106; MUID:91250712; PMID:1828262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Molecule type: DNA
A; Residues: 7-178 <EIS>
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A; Residues: 1-178 < MAT>
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                              kin 1 receptor antagonist protein: MUID:94271931; PMID:8003626
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A;Title: Cloning and characterization of a new isoform of the interleukin 1 receptor A;Reference number: I37893; MUID:95355865; PMID:7629520 A;Accession: I37893 A;Status: translated from GB/EMBL/DDBJ A;Molecule type: mRNA
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C;Superfamily: interleukin-1

C;Kepwords: cytokine receptor

F;1-26/Domain: signal sequence #status predicted <SIG>

F;27-178/Product: interleukin-1 receptor antagonist #st
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A;Molecule type: DNA
A;Residues: 1-178 <RE2>
                                                                                                                                                            interleukin-1 receptor antagonist, long intracellular splice form - human N;Contains: interleukin-1 receptor antagonist, short intracellular splice f. C;Species: Homo sapiens (man)
C;Date: 28-Feb_1992 #sequence_revision 11-Apr-1997 #text_change 09-Jul-2004
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                                                                                                      J. Exp. Med. 182, 623-628, 1995
                                                                                                                        R; Muzio, M.; Polentarutti, N.; Sironi, M.;
                                                                                                                                             C; Accession: I37893; A39386
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A;Residues: 1-3,25-180 <HAS>
A;Cross-references: GB:M55646; NID:g186291; PIDN:AAA59138.1;
C;Comment: For an alternative splice form, see PIR:A30368
  C;Species: Homo sapiens (man)
C;Date: 07-Jun-1990 #sequence
C;Accession: A40956; I37894;
R;Eisenberg, S.P.; Brewer, M.
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A;Title: CDNA cloning of an intracellular form of the human interleukin 1 receptor antaga, Reference number: A39386; MUID:91219436; PMID:1827201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Cross-references: UNIPROT:P18510; EMBL:X84348; NID:g1008970; PIDN:CAA59087.1;
                                                                                        interleukin-1 receptor antagonist secreted
                                                                                                           A30368
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;Date: 07-Jun-1990 #Bequence revision 07-Jun-1990 #text change 09-Jul-2004;Accession: A40956; I37894; A30368; S08160; S08159; A37822;Bisenberg, S.P.; Brewer, M.T.; Verderber, E.; Heimdal, P.; Brandhuber, B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Keywords: alternative splicing; cytokine receptor
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3,25-180/Product: interleukin-1 receptor antagonist,
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                                                                                                                                                                                                                                                                                                                                                                                                                                             CTCTACTGTGACAAGGATAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAA 381
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                                                                                                                                                                                                                                                         AspSerGlyProThrThrSerPheGluSerAlaAlaCysProGlyTrpPheLeuCysThr
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A;Cross-references: EMBL:X64532; NID:g33798; PIDN:CAA45832.1; PID:g33799
R;Carter, D.B.; Deibel Jr., M.R.; Dunn, C.J.; Tomich, C.S.C.; Laborde, A.L.; Slightom, J.G.; Sieu, L.C.; Hardee, M.M.; Zurcher-Neely, H.A.; Reardon, I.M.; Heinrikson, R.L.; Nature 344, 633-638, 1990
                                                                                                                                                                                                                                                              C;Keywords: alternative splicing; cytokine receptor; extracellular protei F;1-25/Domain: signal sequence #stratus predicted <SIG> F;1-25/Domain: interleukin-1 receptor antagonist #status experimental F;26-177/Product: interleukin-1 receptor antagonist #status experimental F;109/Binding site: carbohydrate (Asn) (covalent) #status experimental
                                                                                                                                                                                                                                                                                                                                                                                                     A;Gene: GDB:ILIRN
A;Cross-references: GDB:125897;
A;Map position: 2q14.2-2q14.2
A;Introns: 39/2; 69/1; 106/3
C;Superfamily: interleukin-1
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A; Molecule type: protein
A; Residues: 26-75;97-108;110-116;120-131;163-176 < HAN>
A; Residues: 26-75;97-108;110-116;120-131;163-176 < HAN>
A; Residues: 26-5; 14505-14511, T.E.; Berger, A.E.; Truesdell, S.E.;
J. Biol. Chem. 265, 14505-14511, 1990
A; Title: Purification and characterization of interleukin 1 recept
A; Reference number: A37822; MUID:90354444; PMID:2143761
A; Accession: A37822
A; Molecule type: protein
A; Residues: 26-52;70-77;122-127;170-175 < BIE>
A; Residues: 26-52;70-77;122-127;170-175 < BIE>
A; Experimental source: culture medium, PMA-stimulated THP-1 cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Cross-references: GB:X52015; NID:g32576; PIDN:CAA36262.1; PID:g32577 R;Hannum, C.H.; Wilcox, C.J.; Arend, W.P.; Joslin, F.G.; Dripps, D.J.; Nature 343, 336-340, 1990
A;Title: Interleukin-1 receptor antagonist activity of a human interleukin-R;Reference number: S08159; MUID:90136920; PMID:2137200
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A;Title: Cloning and chromosome mapping of A;Reference number: I37894; MUID:92338323; A;Accession: I37894
A;Status: translated from GB/EMBL/DDBJ
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A;Note: parts of this sequence, including the amino end of the mature protein, were R;Eisenberg, S.P.; Evans, R.J.; Arend, W.P.; Verderber, E.; Brewer, M.T.; Hannum, C. Nature 343, 341-346, 1990
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A;Title: Interleukin 1 receptor antagonist is a member of the A;Reference number: A40956; MUID:91271363; PMID:1828896
A;Accession: A40956
A;Accession: A40956
A;Residues: 1-177 <EIS>
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C;Genetics:
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A; Residues: 1-177 <EI
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A; Residues: 1-177 < CAR>
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A; Residues: 1-177 <LEN>
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R;Lennard, A.; Gorman, P.; Carrier, M.; Griffiths, S.; Scotney, H.; Sheer, D.; Solari, R
                            Query Match:
                                                               Best Local Similarity:
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A; Residues: 1-177 < COM>
A; Residues: 1-177 < COM>
A; Residues: 1-170 < COM>
A; Residues: UNIPROT: P26890; GB: S68977; NID: g545740; PIDN: AAB30093.1;
A; Experimental source: colon tissue
A; Experimental source: colon tissue
A; Note: sequence extracted from NCBI backbone (NCBIN: 144168, NCBIP: 144169)
A; Goto, F.; Goto, K.; Miyata, T.; Ohkawara, S.; Takao, T.; Mori, S.; Furukawa Immunology 77, 235-244, 1992
A; Title: Interleukin-1 recetor antagonist in inflammatory exudate cells of rafarence number: 146729; MUID: 93052512; PMID: 1427977
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 R;Cominelli, F.; Bortolami, M.; Pizarro, T.T.; Monsacchi, L.; Ferretti, M.; Brewer, J. Biol. Chem. 269, 6962-6971, 1994
A;Title: Rabbit interleukin-1 receptor antagonist. Cloning, expression, functional A;Reference number: A54377; MUID:94165101; PMID:7509813
A;Accession: A54377
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A;Molecule type: mRNA
A;Residues: 1-177 - GOT>
A;Cross-references: GB:D21832; NID:g425787; PIDN:BAA04860.1; PID:g452205
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                                                           US-09-869-566-4 (1-650)
                                                                                                          Query Match:
                                                                                                                            Best Local Similarity:
                                                                                                                                             Percent Similarity:
                                                                                                                                                                                                Alignment
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                                                                                                                                                                                                                                                                                  Superfamily: interleukin-
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       TGCAGAGGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCAGGAT 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAGCTGGCTGCCCAAAAGGAATCAGCACGCCCCCTTCATCTTTTATAGGGCTCAGGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ANANACTACATACGC---CCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCC 267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GlyProThrThrSerPheGluSerAlaAlaCysProGlyTrpPheLeuCysThrAlaMet 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AspLeuSerGluAsnArgLysGlnAspLysArg---PheAlaPheIleArgSerAspSer 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TCTGCGGAGAAAGGAAGTCCGATTCTCCTGGGGGGTCTCTAAAGGGGAGTTTTGTCTCTAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGTGACAAGGATAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAACTGATG 387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ProIleGluProHisAla---LeuPheLeuGlyIleHisGlyGlyLysMetCysLeuSer
                                                                                              1.68e-07
154.50
41.10%
26.99%
13.62%
                                                           x A54377 (1-177)
                                                                                                          Matches:
Conservative:
Mismatches:
Indels:
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DB:
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C;Species: Rattus norvegicus (Norway rat)
C;Date: 20-Mar-1992 #sequence_revision 20-Mar-1992 #text_change 09-Jul-2004
C;Accession: C40956
R;Bisenberg, S.P.; Brewer, M.T.; Verderber, E.; Heimdal, P.; Brandhuber, B.J.; Thompson, Proc. Natl. Acad. Sci. U.S.A. 88, 5232-5236, 1991
A;Title: Interleukin 1 receptor antagonist is a member of the interleukin 1 gene family: A;Reference number: A40956; MUID:91271363; PMID:1828896
A;Accession: C40956
                                                                                                                                                                                                                                                                                                                                                                                            Percent Similarity:
Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Cross-references: UNIPROT:P25086; GB:M63101; C;Superfamily: interleukin-1
                                                                                                                                                                                                                                                                                              US-09-869-566-4 (1-650) x C40956
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A; Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A; Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    interleukin-1 receptor antagonist precursor - rat
                                                                                                                                                                                                                                              100 CTTTGCAGAGGTCCAAAGGTGAAGAACTTAAAC-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cytokine receptor
                                                GACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCA------
                                                                                             GluSerAlaGlyHisProAlaGlyLysArgProCysLysMetGlnAlaPheArgIleTrp
                                                                                                                                                                                              IleCysArgGlyProTyrSerHisLeuIleSerLeuLeuLeuIleLeuLeuPheArgSer 22
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AspThrAsnGlnLysThrPheTyrLeuArgAsnAsnGlnLeuIleAlaGlyTyrLeuGln
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GlnAspLysArg---PheThrPheIleArgSerAsnSerGlyProThrThrThrPheGlu
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146.50
39.55%
26.55%
12.92%
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                                                                                                                                                                                                                                                                                              (1-178)
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Matches:
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Mismatches:
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17

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C;Species: Sus scrof
C;Date: 20-May-1994
C;Accession: S38373
R;Vandenbroeck, K;
                                                                                                                                                                                                                                                                                               Query
DB:
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C; Superfamily:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          A; Molecule type: DNA
A; Residues: 1-267 < VAN>
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;Species: Sus scrofa domestica (domestic pig)
;Date: 20-May-1994 #sequence_revision 01-Dec-1995
;Accession: S38373
                                                                                                                                                                                                                                                                                                                                                                                                                              Genetics:
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                                                                                                                                                                                                                                                                                                                        Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                       16/2; 33/3; 99/1;
ily: interleukin-1
                                                                                                                                                                                                                 83
                                                                                                                                                                                                                                          12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 63
                                                                                                                                                                                                                                    GTCTGCACTTCTGATCCTAGCTCTTGTTGGAGCTGCAGTTGCTGACTACAAAGACGATGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ThrPheIleArgSerGluThrGlyProThrThrSerPheGluSerLeuAlaCysProGly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GlyGlyLysLeuCysLeuSerCysValLysSerGlyAspAspThr-----LysLeuGln
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sMetSerPheValGlnGlyAspAspSerAspAspLys---IleProValThrLeuGlyIl
                        ATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAAAGGGAAGTCCGATTCTCCTGGGGGT
                                                   oHisGluLeuLysAlaLeuHisLeuLeuLysGlyAspLeuLysArgGluValValPheCy
                                                                             GAATCTCATAGCAGTTCCAGAT-----AAAAACTACATACGCCCAGAGATCTTCTTTGC
                                                                                                                                 AAACCCGAAGAAATTCAGCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGG
                                                                                                                                                           oIleValLeuGluLysHisAlaAsnGlyPheLeuCysAspAlaThrProValGlnSerVa
                                                                                                                                                                                    CGACAAGCTTGCGGCC---GCGAATTCAGCTCTTTGCAGAGGTCCAAAGGTGAAGAACTT
                                                                                                                                                                                                                ValCysAspAspAspProLysSerIlePheSer-SerVal-----PheGluGluPr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TrpPheLeuCysThrThrLeuGluAlaAspHisProValSerLeuThrAsn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGGGGTGACAGAT 537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATCTTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LeuGluGluValAsnIleThrAspLeuAsnLysAsnLysGluGluAspLysArg---Phe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GlyProAsnThrLysLeuGluGluLysIleAspMetValProIleAspPhe------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CTGAAGAAGGAGAAACTGATGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCGGCCCTTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Fiten, P.; Beuken,
                                                                                                                                                                                                                                                                                                                                                                                                                                            UNIPROT: Q29082;
                                                                                                                                                                                                                                                                                             1.6e-05
135.50
48.30%
28.98%
11.95%
                                                                                                                                                                                                                                                                   x S38373 (1-267)
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                                                                                                                                                                                                                                                                                                                                                                                                                  154/1;
                                                                                                      ----LeuGlnAspLysAspGluLysAlaLeuValLeuAlaGlyPr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GTTCCAGATAAAAACTACATACGCCCAGAGATCTTCTTTGCATTA 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -----ArgAsnValPheLeuGlyIleHis
                                                                                                                                                                                                                                                                                                                                                                                                                   197/3
                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL: X74568;
                                                                                                                                                                                                                                                                                           Length:
Matches:
Conservative:
Mismatches:
Indels:
Gaps:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            expression in Escherichia coli and geneticall PMID:8223584
                                                                                                                                                                                                                                                                                                                                                                                                                                            NID:g407899; PIDN:CAA52660.1;
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51
34
75
16
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 176
                        302
                                                   157
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             Best Local Si
Query Match:
DB:
                                                                                                                   C; Superfamily: interle
C; Keywords: cytokine;
F; 114-266/Product: int
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Cross-references: UNIPROT:P21621; A;Note: the sequence from Fig. 1 is R;Sargan, D.R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT
S23010
                                                   Percent Similarity:
                                                                  Score:
                                                                                        Alignment
                                                                                                                                                           A;Gene:
                                                                                                                                                                                                                                                    A; Accession: B61246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Reference number: A; Accession: S43047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A; Molecule type: mRNA
A; Residues: 1-266 <SEO>
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                                                                               No
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        211
                                      Similarity:
             4.13e-05
131.50
45.68%
27.16%
11.60%
           Gaps:
                                                               Length:
Matches:
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A; Molecule type: mRNA
A, Molecule type: mRNA
A, Residues: 1-144, 'L', 146-266 < AND>
C; Comment: This protein lacks a conventional signal sequence for protein export. Cleavage
C; Comment: This protein lacks a conventional signal sequence for protein export. Cleavage
C; Comment: This protein lacks a conventional signal sequence for protein export. Cleavage
C; Comment: This protein lacks a conventional signal sequence for protein export. Cleavage
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C; Comment: This protein lacks a conventional signal sequence for protein export. Cleavage
C; Comment: This protein lacks a conventional signal sequence for protein export. Cleavage
C; Comment: This protein lacks a conventional sequence for protein export. Cleavage
C; Comment: This protein lacks a conventional sequence for protein lacks a convention lacks a conventio
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A;Residues: 1-13,'C',15-54,'K',56-63,'A',65-144,'L',146-266 <
A;Residues: 1-13,'C',15-54,'K',56-63,'A',65-144,'L',146-266 <
A;Residues: 10,15-54,'K',56-63,'A',65-144,'L',146-266 <
A;Piskerstrand, C.; Sargan, D.
Nucleic Acids Res. 18, 7165, 1990
N;Title: Nucleotide sequence of ovine interleukin-1 beta.
A;Reference number: S13092; MUID:91088326; PMID:2263490
A;Accession: S13092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Note: the authors translated the codon AGT for residue 62 as Arg R;Andrews, A.E.; Barcham, G.J.; Brandon, M.R.; Nash, A.D. Immunology 74, 453-460, 1991
A;Title: Molecular cloning and characterization of ovine IL-lalpha and A;Reference number: A61246; MUID:92120716; PMID:1769692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Date: 08-Jun-1994 #sequence revision 22-Nov-1996 #text_change C;Accession: S23010; S43047; S13092; B61246 R;Seow, H.F.; Rothel, J.S.; David, M.J.; Wood, P.R. DNA Seq. 1, 423-426, 191 DNA Seq. 1, 423-426, 191 A;Title: Nucleotide sequence of ovine macrophage interleukin-1 A;Reference number: S23010; MUID:92119335; PMID:1840515 A;Accession: S23010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N;Alternate names: hematopoietin-1; IL-1 beta
C;Species: Ovis orientalis aries, Ovis ammon aries (domestic sheep)
C;Species: Ovis orientalis aries, Ovis ammon aries (domestic sheep)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Molecule type: mRNA
A;Residues: 1-13,'C',15-54,'K',56-61,'S',63,'A',65-144,'L',146-266
A;Cross-references: EMBL:X54796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              submitted to the EMBL Data Library, May 1992
A;Reference number: S43047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GCCCTTCATCTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CCTTCAGCTGAAGAAGGAGAAACTGATGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCG
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            interleukin-1
tokine; immunoregulation;
uct: interleukin-1 beta #s
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL: X56972; inconsistent
n; inflammation; lymphokine;
#status predicted <MAT>
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                                                                         macrophage;
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Mismatches: Indels: Conservative:

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A;Cross-references: UNIPROT:P26889; GB:M86725; NID:g164607; PIDN:AAA02584.1; PID:g164608 A;Experimental source: alveolar macrophage C;Comment: This protein is a pleiotropic cytokine that mediates a variety of processes in C;Comment: This protein lacks a conventional signal sequence for protein export. Cleavaging of form of interleukin-lacks a conventional signal sequence for protein export. Cleavaging of form of interleukin-lacks a conventional signal sequence for protein export. Cleavaging of form of interleukin-lacks a conventional signal sequence for protein export. Cleavaging of form of interleukin-lacks a precursor is less heavily myristoylated than interleukin-lacks.
                                                                                                                                                                                                                                                                                                                                                                                                            A;Reference number: JN0724; MUID:93314975; PMID:8325511
A;Accession: JN0724
                                                                                                                                                                C;Keywords: cytokine; immunoregulation; inflammation; lipoprotein; F;115-267/Product: interleukin-1 beta #status predicted <IL1> F;77/Binding site: myristate (Lys) (covalent) #status predicted
                                                                                                                                                                                                                                 C; Superfamily: interleukin-1
                                                                                                                                                                                                                                                                                                                                                                              A; Molecule type: mRNA
A; Residues: 1-267 < HUE >
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                R;Huether, M.J.; Lin, G.; Smith, D.M.; Murtaugh, M.P.; Molitor, Gene 129, 285-289, 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C;Date: 14-Jul-1994
C;Accession: JN0724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            interleukin-1 beta precursor - pig
N;Alternate names: hematopoietin-1; IL-1 beta
C;Species: Sus scrofa domestica (domestic pig)
C;Date: 14-Jul-1994 #sequence_revision 22-Nov-1996 #text_change
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(1-267)

A;Residues: 118-269 <DAU> C;Comment: This protein lacks a conventional signal sequence for protein export. Cleavage ved form of interleukin-1beta, unlike interleukin 1-alpha, is inactive. ved form of interleukin-1beta precursor is less heavily myristoylated than interleukin-lal

C;Comment: Interleukin-1beta
C;Genetics:
A;Gene: IL-1-beta

A;Status: preliminary A;Molecule type: protein A;Residues: 118-269 <DAU>

A;Accession: S13029

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R;Gray, P.W.; Glaister, D.; Chen, E.; Goeddel, D.V.; Pennica, J. Immunol. 137, 3644-3648, 1986
A;Title: Two interleukin 1 genes in the mouse: Cloning and ext A;Reference number: 155969; MUID:87058957; PMID:3491144
A;Rccession: I55969
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Residues: 1-269 <TEL>
A;Cross-references: GB:X04964; NID:g52666; PIDN:CAA28637.1; PID:g52667
A;Cross-references: GB:X04964; NID:g52666; PIDN:CAA28637.1; PID:g52667
A;Daumy, G.O.; Wilder, C.L.; Merenda, J.M.; McColl, A.S.; Geoghegan, K.F.; Otterne
FEBS Lett. 278, 98-102, 1991
A;Title: Reduction of biological activity of murine recombinant interleukin-1beta
A;Reference number: S13029; MUID:91130610; PMID:1993481
                                                                                                                                      A;Cross-references: UNIPROT:P10749; GB:M15131; NID:g198293; PIDN:AAA39276.1; R;Telford, J.L.; Macchia, G.; Massone, A.; Carinci, V.; Palla, B.; Melli, M. Nucleic Acids Res. 14, 9955-9963, 1986
A;Title: The murine interleukin 1-beta gene: structure and evolution.
A;Reference number: A24719; MUID:87117546; PMID:3492706
A;Accession: A24719
A;Molecule type: mRNA
A;Molecule type: mRNA
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names: hematopoietin-1; IL-1 beta
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C; Superfamily: interleukin-1 C; Keywords: cytokine; immuno F; 118-269/Product: interleuk

;Keywords: cytokine; immunoregulation; inflammation; lymphokine;;118-269/Product: interleukin-1 beta #status experimental <ILl>

macrophage; mitogen

4.7

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interleukin-1 beta precursor - bovine
N;Alternate names: hematopoietin-1; IL-1 beta
C;Species: Bos primigenius taurus (cattle)
C;Date: 31-Max-1989 #sequence_revision 31-Max-1989 #text_change 09-Jul-2004
C;Accession: JL0010; S01380 P.S.; Schoenborn, M.A.; Davis, B.S.; Cosman, D.; Gillis, R;Maliszewski, C.R.; Baker, P.S.; Schoenborn, M.A.; Davis, B.S.; Cosman, D.; Gillis, Mol. Immunol. 25, 429-437, 1988
A;Title: Cloning, sequence and expression of bovine interleukin 1-alpha and interleuk A;Reference number: A94695; MUID:88318652; PMID:3261832
A;Molecule type: mRNA
A;Residues: 1-251,'A',253-266 <LEO>
A;Cross-references: EMBL:X12498; NID:g448; PIDN:CAA31018.1; PID:g449
                                                               A;Cross-references: UNIPROT:P09428; GB:M37211; NID:g163200; PIDN:AAA30584.1; R;Leong, S.R.; Flaggs, G.M.; Lawman, M.; Gray, P.W.
Nucleic Acids Res. 16, 9054, 1988
A;Title: The nucleotide sequence for the cDNA of bovine interleukin-1 beta.
A;Reference number: S01380; MUID:89016591; PMID:3262866
A;Accession: S01380
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A; Residues: 1-266 < MAL>
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N;Alternate names: hematopoietin-1; IL-1 beta
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 28-Peb-1986 #sequence revision 15-May-1998 #text change 09-Jul-2004
C;Date: 38-Peb-1986 #sequence revision 15-May-1998 #text change 09-Jul-2004
C;Accession: A2542; A29019; A94023; A93361; I51852; I65200; I38132; B27616;
R;Clark, B.D.; Collins, K.L.; Gandy, M.S.; Webb, A.C.; Auron, P.B.
Nucleic Acids Res. 14, 7897-7914, 1986
A;Molecule type: DNA; mRNA
A;Residues: 1-5,'K',7-269 <CLA>
A;Cröss-references: UNIPROT:P01584; GB:X04500; NID:g33788
                                                                A; Reference number: A25542;
A; Accession: A25542
                                                                                   A; Title: Genomic sequence for human prointerleukin 1 beta: possible evolution A; Reference number: A25542; MUID:87040762; PMID:3490654
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C;Superfamily: interleukin-l
C;Keywords: Cytckine; immunoregulation; inflammation; lymphokine; macrophage; mitogen
F;114-266/Product: interleukin-l beta #status predicted <MAT>
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                                                                                                                                                                                                                                                       interleukin-1 beta precursor [validated]
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A; Status: translated from GB/EMBL/DDBJ
A; Molecule type: mRNA
A; Molecule type: mRNA
A; Residues: 1-5, 'K', 7-19, 'H', 21-110, 'Q', 112-176, 'A', 178-213, 'P', 215-269 <WEB>
A; Cross-references: GB: MFM4933; NID: g186287; PIDN: AAA59136.1; PID: g186288
R; Nishida, T.; Nishino, N.; Takano, M.; Kawai, K.; Bando, K.; Masui, Y.; Nakai, Biochem. Biophys. Res. Commun. 143, 345-352, 1987
A; Title: cDNA cloning of IL-1 alpha and IL-1 beta from mRNA of U937 cell line.
A; Reference number: I52217; MUID: 87156769; PMID: 3493774
A; A; Accession: I65200
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A;Residues: 1-5,'K',7-269 <AUR>
A;Residues: 1-5,'K',7-269 <AUR>
A;Cross-references: GB:K02770; NID:g186268; PIDN:AAA36106.1; PID:g307043
A;Cross-references: GB:K02770; NID:g186268; PIDN:AAA36106.1; PID:g307043
R;March, C.J.; Mosley, B.; Larsen, A.; Cerretti, D.P.; Braedt, G.; Price,
Nature 315, 641-647, 1985
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A;Note: parts of this sequence, including the amino end of the mature form, were R;Webb, A.C.; Dinarello, C.A.; Rosenwasser, L.J.; Mucci, S.F.; Rich, A.; Wolff, S. Adv. Gene Technol. 22, 339-340, 1985
A;Title: Nucleotide sequence of human monocyte interleukin 1 precursor cDNA.
A;Reference number: I51852
A;Accession: I51852
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A;Title: Human interleukin-1 beta gene.
                               A;Contents: annotation; myristylation of lysines R;Nanduri, V.B.; Hulmes, J.D.; Pan, Y.C.E.; Kilian, P.L.; Stern, Biochim. Biophys. Acta 1118, 25-35, 1991
A;Title: The role of arginine residues in interleukin 1 receptor A;Reference number: S19608; MUJD:92110334; PMID:1837236
A;Contents: annotation; type 1 IL-1 receptor interaction site A;Contents: annotation; type 1 IL-1 receptor interaction site A;Note: modification of Arg-120 by phenylglyoxal blocks receptor
                                                                                                                                                                                                                                                                                                                                                                                   R;Stevenson, F.T.; Bursten, S.L.; Fanton, C.; Locksley, R.M.; Lovett, proc. Natl. Acad. Sci. U.S.A. 90, 7245-7249, 1993
A;Title: The 31-Kba precursor of interleukin lalpha is myristoylated (A;Reference number: A48293; MUID:93348250; PMID:8346241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A; Molecule type: protein
A; Residues: 117-123, 'X', 125-126, 'X', 128 <ZSE>
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R;Zsebo, K.M.; Wypych, J.; Yuschenkoff, V.N.; Lu, H.; Hunt, P.; Dukes, P.P.; Langley, K.
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B;Title: [Cloning of the CDMA coding for human prointerleukirs and the county of the CDMA coding for human prointerleukirs and coding for human prointerle
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A; Residues: 1-269 < NIS>
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A;Accession: A93361
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MUID:87248099; PMID:2954882
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A;Contents: annotation; X-ray crystallography, 2.0 angstroms, residues 119-269
R;Finzel, B.C.; Clancy, L.L.; Holland, D.R.; Muchmore, S.W.; Watenpaugh, K.D.; Einspahr,
J. Mol. Biol. 209, 779-791, 1989
A;Title: Crystal structure of recombinant human interleukin-1beta at 2.0 angstrom resolut
A;Reference number: A44666; MUID:90064532; PMID:2585509
A;Contents: annotation; X-ray crystallography, 2.0 angstroms
C;Comment: This protein lacks a conventional signal sequence for protein export. Cleavage
ved form of interleukin-1beta, unlike interleukin 1-alpha, is inactive.
C;Comment: Interleukin-1beta precursor is less heavily myristoylated than interleukin-1al
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J. Biol. Chem. 266, 7081-7086, 1991
A;Title: Structure-function mapping of interleukin 1 precursors. Cleavage
A;Reference number: A39774; MUID:91201363; PMID:2016316
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Best Local Similarity:
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A; Introns: 16/2; 33/3; 10
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LysIleGluIleAsnAsnLysLeuGluPheGluSerAlaGlnPheProAsnTrpTyrIle
                                                                                                   GluSerValAspProLysAsnTyrProLysLysMetGluLysArgPheValPheAsn
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                                                 AGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATC
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interleukin-1 beta precursor - rabbit NyAlternate names: hematopoietin-1; IL-1 beta; lymphocyte proliferation potentiating C;Species: Oryctolagus cuniculus (domestic rabbit) C;Pate: 25-May-1999 #sequence revision 22-Nov-1996 #text_change 09-Jul-2004 C;Accession: A27714; A30584; JU0082; A32166 R,Mori, S.; Goto, F.; Goto, K.; Ohkawara, S.; Maeda, S.; Shimada, K.; Yoshinaga, M. Biochem. Biophys. Res. Commun. 150, 1237-1243, 1988 A;Title: Cloning and sequence analysis of a cDNA for lymphocyte proliferation potenti A;Reference number: A27714; MUID:88134238; PMID:2449207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C;Superfamily: trypsin; trypsin homology
C;Keywords: calcium binding; hydrolase; protein digestion;
F;1-23/Domain: signal sequence #status predicted <SIG>
F;24-246/Product: trypsin #status predicted <MAT>
F;24-239/Domain: trypsin homology <TRY>
F;30-160,48-64,132-233,139-206,171-185/Disulfide bonds: #st
F;63,107,200/Active site: His, Asp, Ser #status predicted
F;75,77,80,85/Binding site: calcium (Glu, Asn, Val, Glu) #s
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A;Residues: 1-246 <STE>
A;Cross references: UNIPROT:P07146; GB:X04574; NID:g54918;
C;Superfamily: trypsin: trypsin homology.
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Species: Mus musculus (house mouse)
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A;Title: Cloning of rabbit interleukin-1 beta: differential A;Reference number: A94230; MUID:89315718; PMID:2787507
A;Accession: JU0082
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A;Title: Rabbit IL-1. Cloning, expression, A;Reference number: A30584; MUID:89176242;
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A;Status: not compared with conceptual translation
A;Molecule type: mRNA
A;Residues: 1-268 <MOR>
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F;117-268/Product: interleukin-1 beta #status predicte
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ValPheLeuGlyAsnAsnSerGlyGlyGlnAspLeuIleAspPheSerMetGlu
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A;Cross-references: UNIPROT:P38130; EMBL:Z21487; NID:g311665; PID:g311682 R;Bussereau, F.; Demolis, N.; Jacquet, M.; Mallet, L. submitted to the Protein Sequence Database, August 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   submitted to the EMBL Data Library, January 1993 A;Reference number: S34022 A;Accession: S34031
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N;Alternate names: protein YBR1445; protein YBR205w

C;Species: Saccharomyces cerevisiae

C;Date: 30-Sep-1993 #sequence revision 30-Sep-1993 #text_change 09-Jul-2004

C;Accession: S34031; S46077; S34928
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A;Cross-references: SGD:S0000409; MIPS:YBR205w
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A;Molecule type: DNA
A;Residues: 1-404 <BUS>
A;Residues: 1-404 <BUS>
A;Cross-references: EMBL:Z36074; NID:g536582; PID:g536583; MIDS:YBR205w
R;Bussereau, F.; Mallet, L.; Gaillon, L.; Jacquet, M.
Yeast 9, 797-806, 1993
Yeast 9, 797-806, 1993
A;Tile: Yeast Sequencing Reports. A 12.8 kb segment, on the right arm of chromosome A;Tile: Yeast Sequencing Reports. A 12.8 kb segment.
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A; Accession: S46077
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Search completed: May 28, 2005, 17:39:53
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Sequence 142, App		P 142	e 142,	nce 142,	e 142,	nce 142,	1	emience 143	e 142,	142,	e 142,	equence 142,	equence 112,	143	equence 142.	e 142,	e 142,	e 142,	e 142,	equence 142,	e 142,	142,	O	14,	e 8,	equence 8,	equence 8,	8	equence 6,	4	e 4,	2	equence 12, Ap	ce 8,	equence 2,	Sequence 6, Appli	е 9	е9,	e 9, Appl	e 9,	9	equence 3,	ω	w	equence 3, Appl	13,	equenc	Description

ALIGNMENTS

US-09-876-790-3

GENERAL INFORMATION

Sequence 3, Application US/09876790 Publication No. US20030091532A1

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APPLICANT: SIMS, John E.
APPLICANT: SMITH, Dirk E.
APPLICANT: SMITH, Dirk E.
APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: II-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND POLYPEPTII FILE REFERENCE: 2008-US
CURRENT APPLICATION NUMBER: US/09/876,790
CURRENT FILING DATE: 2002-09-04
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
SOFTWARE: Patentin version 3.1
SEQ ID NO 3
LENGTH: 192
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Result

Query

SUMMARIES

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APPLICANT: Bass, Michael B.
APPLICANT: Craveiro, Roger
ITITLE OF INVENTION: Unterleukin-1 Receptor Antagonist-Related Molecules and TITLE OF INVENTION: Uses Thereof
FILE REFERENCE: 00-1213-E
CURRENT APPLICATION NUMBER: US/10/139,833
CURRENT FILING DATE: 2002-05-06
PRIOR APPLICATION NUMBER: 60/170,191
PRIOR APPLICATION NUMBER: 60/170,191
PRIOR APPLICATION NUMBER: 60/180,053
PRIOR FILING DATE: 1909-12-10
PRIOR FILING DATE: 2000-03-09
PRIOR APPLICATION NUMBER: 60/194,521
PRIOR APPLICATION NUMBER: 60/194,521
PRIOR APPLICATION NUMBER: 60/195,910
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US-10-139-833-13
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US-09-876-790-3
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                                                                                                                                                                                                  Sequence 13, Application US/10139833 Publication No. US20030004106A1 GENERAL INFORMATION:
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GENERAL INFORMATION:

APPLICANT: SIMS, John E.

APPLICANT: SMITH, Dirk E.

APPLICANT: BORN, Teresa L.

TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPIFILE REFERENCE: 2008-US

CURRENT APPLICATION NUMBER: US/10/888,779

CURRENT FILING DATE: 2004-07-09

PRIOR APPLICATION NUMBER: US/09/876,790

PRIOR FILING DATE: 2001-06-06

PRIOR FILING DATE: 2001-06-06

PRIOR FILING DATE: 1998-12-14
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Best Tocal Similarity:
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US-10-888-779-3
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US-10-139-833-13
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PRIOR APPLICATION NUMBER: 09/724,583
PRIOR FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 37
SOFTWARE: PALENTIN Ver. 2.0
SEQ ID NO 13
LENGTH: 192
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Query Match:
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Sequence 3, Application US/10888867

Publication No. US20050009075A1

GENERAL INFORMATION:

APPLICANT: SIMIH, Dirk E.
APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.

TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS:
FILE REFERENCE: 2008-US

FILE REFERENCE: 2008-US

FULE REFERENCE: 2008-US

CURRENT APPLICATION NUMBER: US/10/888,867

CURRENT FILING DATE: 2001-06-06

PRIOR APPLICATION NUMBER: 60/112,163
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PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PATENTIN VERSION 3.1
SEQ ID NO 3
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PRIOR APPLICATION NUMBER: 60/146,675
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
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; ORGANISM: Homo
US-10-888-867-3
APPLICANT: SIMS, John E.
APPLICANT: SMITH, Dirk E.
APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPIFILE REFERENCE: 2008-US
CURRENT APPLICATION NUMBER: US/10/888,780
CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
PRIOR FILING DATE: 2001-06-06
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                                                                                                                                  Sequence 3, Application US/10888780 Publication No. US20050013797A1 GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR FILING DATE: 1998-12-16
PRIOR FILING DATE: 1999-11-10
PRIOR PPLICATION NUMBER: 60/146,675
PRIOR FILING DATE: 1999-11-14
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 3
LENGTH: 192
                                                                                                        US-10-888-931-3

Sequence 3, Application US/1088931

Publication No. US20050013798A1

GENERAL INFORMATION:
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DB:
APPLICANT: SIMS, John E.
APPLICANT: SMITH, DIRK E.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SP.
FILE REFERENCE: 2008-US
CURRENT APPLICATION NUMBER: US/10/888,931
CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
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; LENGTH: 192
; TYPE: PRT
; ORGANISM: Homo s
US-10-888-931-3
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PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR PILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: POT/US99/29549
PRIOR FILING DATE: 1999-12-14
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Query Match:
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Sequence 9, Application US/09876790
Publication No. US20030091532A1
GENERAL INFORMATION:
APPLICANT: SIMS, John E.
APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS
FILE REFERENCE: 2008-US
CURRENT APPLICATION NUMBER: US/09/876,790
CURRENT FILING DATE: 2002-09-04
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Pred. No.:
                                                Sequence 9, Application US/10888779
Publication No. US20050009138A1
GENERAL INFORMATION:
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SEQ ID NO 9
LENGTH: 197
TYPE: PRT
ORGANISM: Homo sapiens
APPLICANT: SIMS, John E.
APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND POLYPEPTI
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PRIOR TILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
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CURRENT APPLICATION NUMBER: US/10/888,779
CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR FILING DATE: 1999-11-10
PRIOR PRIOR APPLICATION NUMBER: 60/146,675
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn version 3.1
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Best Local Similarity:
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ATGAGCCCCAGTGAGGTCAGCGAT 618
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                                                     AspLysPheGluAsnArgLysHisIleGluPheSerPheGlnProValCysLysAlaGlu
                                                                     GATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACCAGTTTGCAAAGCTGAA 594
                                                                                                           AlaHisProGlyTrpPheIleCysThrSerCysAsnCysAsnGluProValGlyValThr
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WS-10-48-867-9 US-10-48-867-9 ; Sequence 9, Application US/10888867 ; Publication No. US20050009075A1

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CURRENT APPLICATION NUMBER: US/10/888,867
CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: 06/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
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APPLICANT: SIMS, John E.
APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.
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SEQ ID NO 9
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TYPE: PRT
ORGANISM: Homo
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; Sequence 9, Application US/10888780
; Publication No. US20050013797A1
; GENERAL INFORMATION:
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CURRENT APPLICATION NUMBER: US/10/888,780
CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
PRIOR PILING DATE: 2001-06-06
PRIOR PPLICATION NUMBER: 60/112,163
PRIOR PILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR PILING DATE: 1999-11-10
PRIOR PILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 9
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APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND
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Sequence 9, Application US/10888931
Publication No. US20050013798A1
GENERAL INFORMATION:
APPLICANT: SIMS, John E.
APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1
FILE REFERENCE: 2008-US
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-888-931-9
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CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-11-14
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GCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGGGGTGACA 534
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                                           CGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCGGCG
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; ORGANISM: HOMO
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Patent No. US2002052473A1
GEMERAL INFORMATION:
APPLICANT: YOUNG, PETER R.
APPLICANT: MCDONNELL, PETER C.
APPLICANT: KUMAR, SANJAY
TITLE OF INVENTION: INTERLEUKIN-1 HOMOLOGUE, MAT IL-114
FILE REFERENCE: GP-70607-1C1
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SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 6
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CURRENT FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 09/293,625
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 09/452,140
PRIOR FILING DATE: 1999-12-01
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                                                                    IlePhePheAlaLeuAlaSerSerLeuSerSerAlaSerAlaGluLy8GlySerProIle
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169 531 149 471 109

351 89 291 69 231

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APPLICANT: YOUNG, PETER R.
APPLICANT: McDONNELL, PETER C.
APPLICANT: MCDONNELL, PETER C.
APPLICANT: KUMAR, SANJAY
TITLE OF INVENTION: INTERLEUKIN-1 HOMOLOGUE, MAY
FILE REFERENCE: GP-70607-1C1
CURRENT APPLICATION NUMBER: US/09/788,963
CURRENT FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 09/293,625
PRIOR APPLICATION NUMBER: 09/452,140
PRIOR APPLICATION NUMBER: 09/452,140
PRIOR APPLICATION NUMBER: 09/452,140
PRIOR APPLICATION NUMBER: 09/452,140
PRIOR FILING DATE: 1999-12-01
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 2
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US-09-788-963-2
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      IlePhePheAlaLeuAlaSerSerLeuSerSerAlaSerAlaGluLysGlySerProIle

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APPLICANT: SIMS, John E.
APPLICANT: SIMS, John E.
APPLICANT: SMITH, Dirk E.
APPLICANT: SMITH, Dirk E.
APPLICANT: SORN Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND PILE REFERENCE: 2008-US
CURRENT APPLICATION NUMBER: US/09/876,790
CURRENT FILING DATE: 2002-09-04
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR PILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn version 3.1
SEQ ID NO 8
LENGTH: 218
TYPE: PRT
ORGANISM: Homo sapiens
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GCACGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCG
                                                                                                                                                            HisProSerLeuGlnLeuLysLysGluLysLeuMetLysLeuAlaAlaGlnLysGluSer
                                                                                                                                                                         CATCCATCCCTTCAGCTGAAGAAGGAAGAACTGATGAAGCTGGCCGAAAAGGAATCA
                                                                                                                                                                                                                LeuLeuGlyValSerLysGlyGluPheCysLeuTyrCysAspLysAspLysGlyGlnSer
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Query Match:
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APPLICANT: Craveiro, Roger

ITILE OF INVENTION: Interleukin-1 Receptor Antagonist-Related Molecules and

ITILE OF INVENTION: Uses Thereof

FILE REFERENCE: 00-1213-E

CURRENT APPLICATION NUMBER: US/10/139,833

CURRENT FILING DATE: 2002-05-06

PRIOR APPLICATION NUMBER: 60/170,191

PRIOR APPLICATION NUMBER: 60/18,053

PRIOR FILING DATE: 2000-03-09

PRIOR APPLICATION NUMBER: 60/194,521

PRIOR APPLICATION NUMBER: 60/195,910

PRIOR APPLICATION NUMBER: 60/195,910

PRIOR APPLICATION NUMBER: 09/724,583

PRIOR FILING DATE: 2000-01-1-28

NUMBER: 007-11-28
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US-10-139-833-12
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SOFTWARE: PATENTIN Ver. 2.0
SEQ ID NO 12
LENGTH: 218
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Saris, Christiaan M. APPLICANT: Giles, Jennifer APPLICANT: Mu. Sharon X. APPLICANT: Xia, Min
                             150
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472 GCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGGGGTG 531
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                                                                                                   GCACGCCGGCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCG
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-Q=/Cgn2_1/USPTO_Spool_p/US09869566/runat_27052005_163130_19910/app_query.fasta_1.839
-DB=UniFrot_03 -QFMT=fastan_-SUFFIX=rup_-MINMATCH=01_1-LOOPCL=0 -LOOPEXT=0
-UNITS=bits -START=1 -END=-1 -MATRIX=blosum62 -FRANS=human40.cdi -LIST=45
-DCCALIGN=200 -THR_SCORE=pct -THR_MAX=100 -THR_MIN=0 -ALICN=15 -MODE=LOCAL
-DUTFMT=pto -NORM=ext -HEAPSIZE=50 -MINLEN=0 -MAXLEN=200000000
-USER=US09869566 @CGN 1 1 152 @runat 27052005 163130 19910 -NCPU=6 -ICPU=3
-NO_MMAP -LARGEQUERY -NEG_SCORES=0 -MAIT -DSPBLOCK=100 -LONGLOG
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RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
AX Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
AA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
AA Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
AA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
AD Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
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AD Arabeleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
AD Arabeleton M., Soares M.B., Bonaldo M.F., Carninci P., Prange C.,
AD Arabeleton M., Green B.J., Abramson R.D., Mullahy S.J.,
AD Arabeleton M., Molan A., Young A.C., Shevchenko Y., Bouffard G.G.,
AD Arabeleton M., Young A.C., Shevchenko Y., Bouffard G.G.,
AD Arabeleton M., Schein J.E., Jones S.J.M., Marra M.A.,
AND Green B.D., Dickson M.C.,
AND Green G.D., Marra M.A.,
A. Schein J.E., Jones S.J.M., Marra M.A.,
EMBL; AF200496; AAF69252.1; -.
EMBL; AF167368; AAG29344.1; -.
EMBL; AF251118; AAG14420.1; -.
EMBL; AF251129; AAG14427.1; -.
EMBL; AF251119; AAG14421.1; -.
EMBL; AF201832; AAF25212.1; -.
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                                                                                                                                                                                                                                             or send an email to license@isb-sib.ch).
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MEDLINE=21988051; PubMed=11991723; DOI=10.1006/geno.
Taylor S.L., Renshaw B.R., Garka K.E., Smith D.E., S
"Genomic organization of the interleukin-1 locus.";
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brain, only i
- INDUCTION: By
- SIMILARITY: F
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c. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).

FUNCTION: Binds to interleukin-18 receptor (IL-18R)

not to IL-1 receptor. Could be a new player in the i

and immune responses mediated by the IL-18/IL-18R as

SUBCELULIAR LOCATION: Secreted.

ALTERNATIVE PRODUCTS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           placenta,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 =Q9NZH6-5; Sequence=VSP_002655;
SPECIFICITY: Isoforms A, B and C are expressed in testis,
placenta, lung and lymph node. Isoforms D and E were foun
testis and bone marrow. Whereas only isoform A is found
only isoform B in kidney and only isoform C in heart.
ON: By phorbol ester (PMA) in different cell lines.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Belongs to the IL-1 family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B.R., Ketchem
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Garka
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Sims J.E.;
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ProDom; PD002536; Interleukin_1; 1.
SMART; SM00125; III; 1
PROSITE; PS00253; INTERLEUKIN 1; FALSE_NEG.
Alternative splicing; Cytokine; Direct_prot_
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GO: GO:0005576; C:extracellular; TAS.
GO; GO:0005149; F:interleukin-1 receptor binding; NAS.
GO; GO:0006955; P:immune response; NAS.
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EMBL; AY071841; AAL67154.1;
EMBL; BC020637; AAH20637.1;
HSSP; P18510; 1ILR.
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InterPro; IPR000975; Interleukin_1.
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                                                     CATCCATCCCTTCAGCTGAAGAAGGAGAAACTGATGAAGCTGGCCGCAAAAGGAATCA
                                                                                                    CTCCTGGGGGTCTCTAAAGGGAGTTTTTGTCTCTACTGTGACAAGGATAAAGGACAAAGT
                                                                                                                                  | IlePhePheAlaLeuAlaSerSerLeuSerSerAlaSerAlaGluLysGlySerProIle
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AlaArgArgProPheIlePheTyrArgAlaGlnValGlySerTrpAsnMetLeuGluSer
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Interleukin 1 family member 7.
MSFYGENSGYKNGSEDWEKDEPQCCLEDPAGSPLEPGPSLP
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96E089310D2CEA68
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Mulero J.J., Pace A.M., Nelken S.T.,
Drmanac R., Ford J.E.;
"IL1HY1: A novel interleukin-1 recep
                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=21988050; PubMed=11991722; Nicklin M.J.H., Barton J.L., Nguyen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nicklin M.J.H., Weith A., Duff G.W.;
"A Physical map of the region encompassing the human interleukin-1-
alpha, interleukin-1-beta and interleukin-1 receptor genes.";
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an integrated YAC/PAC contig
region of chromosome 2q13.";
Genomics 41:370-378(1997).
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Nothwang H.G., Strahm B., Denich D., Kuebler M., Schwabe
Gingrich J.C., Jauch A., Cox A., Nicklin M.J.H., Kurnit I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=20545212; PubMed=11093146;
DOI=10.1002/1521-4141(200011)30:1143299::AID-IMMU3299>3.0.CO;2-S;
Barton J.L., Herbst R., Bosisio D., Higgins L., Nicklin M.J.;
"A tissue specific IL-1 receptor antagonist homolog from the IL-1 cluster lacks IL-1, IL-1ra, IL-18 and IL-18 antagonist activities cur. J. Immunol. 30:3299-3308(2000).
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Nicklin M.J.H., Weith A., Duff G.W.;
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Eukaryota; Metazoa;
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01-MAR-2004
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                                                                                                                                                                                                 receptor antagonist 263:702-706(1999).
                                                                                                                                                                                                                                                                                                                                                                                                     genes
                                                                                                                                                                                                                                                                                                                                                                                                                                          DOI=10.1006/geno.2002.6751;
n M., Fitzgerald M.G., Duff W.G.,
                                                                                                        DOI=10.1074/jbc.
                                                                                                                                                                                                                                                                  DOI=10.1006/bbrc.1999.1440; . Loeb D.D., Correa T.R.,
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PRINTS; PR01360; INTELEUKIN1X.
ProDom; PD002536; Interleukin 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=21459116; PubMed=11574262; DOI=10.1016/S1471-4906(01)02040-3; Sims J.E., Nicklin M.J., Bazan J.F., Barton J.L., Busfield S.J., Ford J.E., Kastelein R.A., Kumar S., Lin H., Mulero J.J., Pan G., Pan Y., Smith D.E., Young P.R.; "A new nomenclature for the II-1-family genes."; "A new nomenclature for the II-1-family genes."; Trends Immunol. 22:536-537(2001).
-!- MISCELLANEOUS: The sequence shown here is derived from an EMBL/GenBank/DDBJ third party annotation (TPA) entry.
-!- SIMILARITY: Belongs to the IL-1 family.
EMBL; BN000002; CAD29873.1; -.
                                                                                                                                                                                                                                                                                                               InterPro; IPR008996; Cytok II like.
InterPro; IPR003297; InterTeukinILIRA.
InterPro; IPR000975; InterTeukin_1.
pfam; PF00340; III; 1.
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MEDLINE=21359532; PubMed=11466363;

Debets R., Timans J.C., Homey B., Zi.

Wagner J., Edwards G., Clifford T.,

Kastelein R.A.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Two novel II-1 family members, II-1 cas an antagonist and agonist of NF-kB as an antagonist tand agonist of J.J. Imn II-1 receptor-related protein 2.J. Imn J. Immunol. 167:1440-1446(2001).
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Kumar S., McDonnell P.C., Lehr R., Tiez
Griswold D.E., Capper B.A., Tal-Singer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM
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                                                                                                                                                                                                                                                                                                                                                                                                                    GO:0005576; C:extracellular; II
GO:0005152; F:interleukin-1 red
GO:0006955; P:immune response;
                                                                                                                                                           Scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FROM
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                                                   Mismatches:
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Tierney L., Tzimas M.N.,
nger R., Wells G.I., Doyle M.L
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J.
                                                                                                           TISSUE=Keratinocytes;
MEDLINE=20209405; PubMed=10744718; DOI=
Kumar S., McDonnell P.C., Lehr R., Tier
Griswold D.E., Capper E.A., Tal-Singer
                                                                                                                                                                                                                                                                                                                                                                                                     28-FBB-2003 (Rel. 41, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
11-12004 (Rel. 44, Last annotation update)
11-12004 (Rel. 44, Last annotation update)
11-1304 (Interleukin-1 homolog 1) (IL-11-12004 (IL-1 related protein 2)
11-1314 (Interleukin-1 epsilon) (IL-1 epsilon) (IL-1 related protein 2)
                                                 Young P.R.;
"Identification and initial characterization
                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q9NZH8;
28-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HUMAN
                                                                                                                                                                                                                                                              NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                              Name=IL1F9; Synonyms=IL1E, IL1H1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        I1F9_HUMAN
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                                                                                                                                                                                                                     EQUENCE FROM N.A.
                             Biol.
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|ProGlyProSerLeuProThrMetAsnPheValHisThrSerArgLysValLysSerLeu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (Rel. 41, Created)
                               275:10308-10314(2000)
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                                                                                                                                                                                                                                                                                         Craniata; Vertebrata; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT;
                                                                                                                   DOI=10.1074/jbc.275.14.10308;
Tierney L., Tzimas M.N.,
nger R., Wells G.I., Doyle M.L
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                                                                                                                     Doyle M.L.,
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AspAlaAspGlyGlyGlyArgAlaValTyrGlnSerMetCysLys-

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Percent Similarity:
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RA MEDLINE=20318623; PubMed=10860666; DOI=10.1006/geno.2000.6184;
RA Busfield S.J., Comrack C.A., Yu G., Chickering T.W., Smutko J.S.,
RA Elou H., Leiby K.R., Holmgren L.M., Gearing D.P., Pan Y.;
RA Zhou H., Leiby X.R., Holmgren L.M., Gearing D.P., Pan Y.;
RA Zhou H., Leiby X.R., Holmgren L.M., Gearing D.P., Pan Y.;
RA Till family on human chromosome 2.";
RI If a family on human chromosome 2.";
RL Genomics 66:213-216(2000).
CC -!- FUNCTION: Function as an agonist of NF-kappa B activation through CC - FUNCTION: Function as an agonist of NF-kappa B activation through CC and independent signaling system analogous to interleukin-1 CC alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 CC alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 CC alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 CC and takes part in local inflammatory response.
CC -!- SUBCELULAR LOCATION: Secreted.
CC -:- SUBCELULAR LOCATION: Secreted.
CC expressed only in keratinocytes but not in fibroblasts, endothelial cells or melanocytes but not in fibroblasts, endothelial cells or melanocytes. Up-regulated in lesional
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TISSUB-Epithelium;
MEDLINE-21359532; PubMed=11466363;
Debets R., Timans J.C., Homey B., Zurawski S., S.
Magner J., Edwards G., Clifford T., Menon S., Ba
Magner J., Edwards G., Clifford T., Menon S., Ba
Magner J., Edwards G., Clifford T., Menon S., Ba
Magner J., Edwards G., Clifford T., Menon S., Ba
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Magner J., Edwards G., Clifford T., Menon S., Ba
Magner J., Edwards G., Clifford T., Menon S., Ba
Magner J., Edwards G., Clifford T., Menon S., Ba
Magner J., Edwards G., Clifford T., Me
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EMBL; AF206696; AAG35670.1;
HSSP; P18510; 1ILR.
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                                                                                                                                                                                                                                                                                                                                                                    Cytokine; Multigene
                                                                                                                                                                                                                                                                                                                                                                                           PROSITE; PS00253; INTERLEUKIN_1;
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INDUCTION: By TNF-alpha and by IFN-gamma
SIMILARITY: Belongs to the IL-1 family.
                                                                                                                                                                                                                                                                                       Scores:
           64
           GACGATGACGACAAGCTTGCGGCCGCGAATTCAGCTCTTTGCAGAGGTCCAAAGGTGAAG
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229.50
53.12%
35.00%
20.24%
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18721 MW;
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Indels:
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Matches:
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                                                                                                     MEDLINE=94245215; PubMed=8188271;
Nicklin M.J.H., Weith A., Duff G.W.;
Na Physical map of the region encompassing the human alpha, interleukin-1-beta and interleukin-1 receptor Genomics 19:382-384(1994).
                                                                                                                                                                                                                                                                                                                            MEDLINE=20545212; PubMed=11093146;
DOI=10.1002/1521-4141(200011)30:113299::AID-IMMU3299>3.0.CO;2-S;
Barton J.L., Herbst R., Bosisio D., Higgins L., Nicklin M.J.;
"A tissue specific IL-1 receptor antagonist homolog from the II-1 cluster lacks IL-1, IL-1ra, IL-18 and IL-18 antagonist activities in J. Immunol. 30:3299-3308(2000).
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                                                  MEDLINE=21988050;
Nicklin M.J.H., Ba
                                                                                                                                                                                              "Molecular cloning of the interleukin-1 gene cluster: constant integrated YAC/PAC contig and a partial transcriptional region of chromoseme 2013.";
Genomics 41:370-378(1997).
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                                                                              SEQUENCE
                                                                                                                                                                       SEQUENCE FROM
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MEDLINE=97312693; PubMed=9169134;
                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
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                         "A sequence-based map of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4
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                                                                                                                                                                                                                                                           97312693; PubMed=9169134; DOI=10.1006/geno.1997.4654;
H.G., Strahm B., Denich D., Kuebler M., Schwabe J.,
J.C., Jauch A., Cox A., Nicklin M.J.H., Kurnit D.M.,
  79:718-725 (2002)
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                                                PubMed=11991722; I
arton J.L., Nguyen
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                         genes
                                                DOI=10.1006/geno.2002.6751;
1 M., Fitzgerald M.G., Duff W.G.,
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MEDLINE=21459116; PubMed=11574262; DOI=10.1016/S1471-4906(01)02040-3; Sims J.E., Nicklin M.J., Bazan J.F., Barton J.L., Busfield S.J., Ford J.E., Kastelein R.A., Kumar S., Lin H., Mulero J.J., Pan G., Pan Y., Smith D.E., Young P.R.; Pan Y., Smith D.E., Young P.R.; "A new nomenclature for the IL-1-family genes."; Trends Immunol. 22:536-537(2001).

-I- MISCELLANEOUS: The sequence shown here is derived from an EMBL/GenBank/DDBJ third party annotation (TPA) entry.

-I- SIMILARITY: Belongs to the IL-1 family.
                                                                                                                                                                                                                                                                                                                          MEDLINE=21359532; PubMed=11466363; Debets R., Timans J.C., Homey B., Zu Wagner J., Edwards G., Clifford T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=21282953; PubMed=11278614; DOI=10.1074/jbc.M010095200; Lin H.S., Ho A.S., Haley-Vicente D., Zhang J., Bernal-Fussel J Pace A.M., Hansen D., Schweighofer K., Mize N.K., Ford J.E.; "Cloning and characterization of IL-1HY2, a novel interleukin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=20318623; PubMed=10860666; DOI=10.1006/geno.2000.6184 Busfield S.J., Comrack C.A., Yu G., Chickering T.W., Smutko J Zhou H., Leiby K.R., Holmgren L.M., Gearing D.P., Pan Y.; "Identification and gene organization of three novel members IL-1 family on human chromosome 2."; Genomics 66:213-216(2000).
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SEQUENCE FROM N.A.
MEDLINE=99443727; PubMed=10512743; DOI=10.1006/bbrc.1999.1440;
MEDLINE=99463727; Pace A.M., Nelken S.T., Loeb D.D., Correa T.R.,
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                                                                                                                                                                                                                                                                                               Kastelein R.A.;
"Two novel IL-1 family members,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cytokine 13:1-7(2001).
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Kumar S., McDonnell P.C., Lehr R., Tierney L., Tzimas M.N.,
Kriswold D.E., Capper B.A., Tal-Singer R., Wells G.I., Doyle M.L
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      GO:0005576; C:extracellular; IEA.
GO:0005152; F:interleukin-1 receptor
GO:0006955; P:immune response; IEA.
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275:10308-10314(2000)
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., Menon S
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R.R., Kubin M., Garka K.E.,
                    antagonist
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InterPro: IRR003297; InterleukInILIRA.
InterPro: IRR003297; Interleukin_1.
Pfam; PF00340; IL1; 1.
PRINTS; PR003264; INTERLEUKINI.
PRINTS; PR01360; INTRLEUKINIX.
ProDom; PD00236; INTERLEUKINI.
                                           MEDLINE=20545212; PubMed=11093146;
DOI=10.1002/I521-4141(200011)30:11.3299::AID-IMMU3299>3.0.CO;2-S;
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Barton gpecific IL-1 receptor antagonist homolog from the IL-1
cluster lacks IL-1, IL-1ra, IL-18 and IL-18 antagonist activities
cur. J. Immunol. 30:3299-3308(2000).
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01-MAR-2004 (TrEMBLrel.
01-MAR-2004 (TrEMBLrel.
01-MAR-2004 (TrEMBLrel.
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Mammalia;
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Mulero J.J., Pace A.M., Nelken S.T., Drmanac R., Ford J.E.;
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"IL-1H,
1Rrp.";
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Griswold D.E., Capper E.A., Tal-Singer R., Wells G.I., [
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"A Physical map of the region encompassing the human alpha, interleukin-1-beta and interleukin-1 receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Molecular cloning of the int
an integrated YAC/PAC contig
region of chromosome 2q13.";
Genomics 41:370-378(1997).
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                                                                       MEDLINE=21282953; PubMed=11278614; DOI Lin H.S., Ho A.S., Haley-Vicente D., Z Pace A.M., Hansen D., Schweighofer K.,
                                                                                                                                                        1Rrp.
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Nicklin M.J.H., Weith A., Duff G.
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                                      Chem.
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                                                              DOI=10.1074/jbc.M010095200;
, Zhang J., Bernal-Fussel J.,
K., Mize N.K., Ford J.E.;
L-1HY2, a novel interleukin-1
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n M., Fitzgerald M.G.,
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"A new nomenclature for the IL-1-family genes.";
Trends Immunol. 22:536-537(2001).
-!- MISCELLANEOUS: The sequence shown here is derived fro EMBL/GenBank/DDBJ third party annotation (TPA) entry.
-!- SIMILARITY: Belongs to the IL-1 family.
EMBL; BN000002; CAD29876.1; -.
HSSP; Q9QYY1; 1MD6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Debets R., Timan
Wagner J., Edwar
Kastelein R.A.;
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GO; GO:0005149; F:interleukin-1 receptor binding;
GO; GO:0006955; P:immune response; IEA.
GO; GO:0006954; P:inflammatory response; IEA.
InterPro; IPR00396; Cycok IL1 like.
InterPro; IPR003294; InterTeukinILAB.
InterPro; IPR003296; InterleukinILB.
InterPro; IPR003296; InterleukinILB.
InterPro; IPR003296; InterleukinILB.
InterPro; IPR003296; InterleukinILB.
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PRINTS; PR01359; INTRLEUKIN1B.
PRINTS; PR01351; INTRLEUKN1AB.
PRODOm; PD002536; Interleukin 1; 1.
PROSITE; PS00253; INTERLEUKIN 1; 1.
PROSITE; PS00253; INTERLEUKIN 77A54F3D7557A3EE3
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J. Immunol. 167:1440-1446(2001).
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ProLysSerTyrAlaIleArgAspSerArgGlnMetValTrpValLeuSerGlyAsnSer
                                                                                                      AAGAAGGAGAAACTGATGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCGGCCCTTCATC
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PhelleAlaThrSerThrThrSerGlyGlnProllePheLeuThr 140
                                                                                                                                                                                                                LysGluLysAsnIleMetAspLeuTyrValGluLysLys---AlaGlnLysProPheLeu
                                                                                                                                                                                                                                                                                                                                LysAspLeuCysLeuPheCysAlaGluIleGlnGlyLys-----ProThrLeuGlnLeu
                                                                                                                                                                                                                                                                                                                                                                                ArgAspThrGluPheSerAspLysGluLysGlyAsnMetValTyrLeuGlyIleLysGly
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                                                      TTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGGGGTGACA 534
                                                                                                                                                                  TTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGG
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229.00
59.26%
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Mismatches:
Indels:
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ro J.J., F
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Query Match:
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ProDom; PD002536; Interleukin_1; 1.
SMART; SM00125; IL1; 1.
PROSITE; PS00253; INTERLEUKIN_1; FALSE_NEG.
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GO; GO:0005576; C:extracellular; NAS.

GO; GO:0005149; F:interleukin-1 receptor

GO; GO:0006955; P:immune response; NAS.

InterPro; IPR009996; Cytok II1 like.

InterPro; IPR000975; Interleukin_1.

Pfam; PF00340; II1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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MEDLINE=20092888; PubMed=10625660;
Renshaw B.R., Ketchem J
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Name=IL1F6; Synonyms=FIL1E, IL1E;
Homo saplens (Human).
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28-FBB-2003 (Rel. 41, Last sequence update)
05-UU-2004 (Rel. 44, Last annotation update)
Interleukin 1 family member 6 (IL-1F6) (Inter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cytokine; Multigene family.
SEQUENCE 158 AA; 17684 MW;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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                                                    CTCATAGCAGTTCCAGATAAAAACTACATACGCCCAGAGATCTTCTTTGCATTAGCCTCA 252
                                                                                                                                                              CCGAAGAAATTCAGCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAAT
                                                                                                         ProGlnGlnGlySerIleGlnAspIleAsnHisArgValTrpValLeuGlnAspGlnThr
LeuileAlaValProArgLysAspArgMetSerPro---ValThrIleAlaLeuIleSer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DOI=10.1002/1521-4141(200011)30:11<3299::AID-IMMU3299>3.0.CO;2-S;
Barton J.L., Herbst R., Bosisio D., Higgins L., Nicklin M.J.;
"A tissue specific II-1 receptor antagonist homolog from the II-1
cluster lacks II-1, II-1ra, II-18 and II-18 antagonist activities
Eur. J. Immunol. 30:3299-3308(2000).
                                                                                                                                                                                                                                                                                                                                MEDLINE=94245215; PubMed=8188271;
Nicklin M.J.H., Weith A., Duff G.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      an integrated YAC/PAC contig region of chromosome 2q13.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDLINE=97312693; PubMed=9169134; DOI=10.1006/geno.1997.4654;
Nothwang H.G., Strahm B., Denich D., Kuebler M., Schwabe J.,
Gingrich J.C., Jauch A., Cox A., Nicklin M.J.H., Kurnit D.M.,
                        SEQUENCE
                                                                                                                                                                Nicklin M.J.H.,
                                                                                                                                                                                        MEDLINE=21988050;
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                                                                                                                   "A sequence-based
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Molecular cloning of the interleukin-1
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PubMed=10512743; DOI=10.1006/bbrc.1999.1440;
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"A new nomenciature ... Trends Immunol. 22:536-537(2001).

Trends Immunol. 22:536-537(2001).

-i- MISCELLANEOUS: The sequence shown here is eMEL/GenBank/DDBJ third party annotation makes to the IL-1 family.
                                                                                                                                                                                                                      MEDLINE=21459116; PubMed=11574262; DOI=10.1016/S1471-4906(01)02040-3; Sims J.E., Nicklin M.J., Bazan J.F., Barton J.L., Busfield S.J., Ford J.E., Kaskelein R.A., Kumar S., Lin H., Mulero J.J., Pan G.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.

MEDLINB=21066552; PubMed=11145836; DOI=10.1006/cyto.2000.0799;
Pan G., Risser P., Mao W., Baldwin D.T., Zhong A.W., Filvaroff
Yansura D., Lewis L., Eigenbrot C., Henzel W.J., Vandlen R.;
"IL-1H, an interleukin 1-related protein that binds IL-18 rece
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=20318623; PubMed=10860666; DOI=10.1006/geno.2000.6184; Busfield S.J., Comrack C.A., Yu G., Chickering T.W. Smutko J.S. Zhou H., Leiby K.R., Holmgren L.M., Gearing D.P., Pan Y.; Tidentification and gene organization of three novel members of IL-1 family on human chromosome 2.";
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Griswold D.E.,
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                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=21359532; PubMed=11466363;
Debets R., Timans J.C., Homey B., Zurawski S.,
Wagner J., Edwards G., Clifford T., Menon S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDILINE=21282953; PubMed=11278614; DOI=10.1074/jbc.m010095200;
Lin H.S., Ho A.S., Haley-Vicente D., Zhang J., Bernal-Fussel J.,
Pace A.M., Hansen D., Schweighoffer K., Mize N.K., Ford J.E.;
"Cloning and characterization of IL-1HY2, a novel interleukin-1 family
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=20209405; PubMed=10744718; DOI=10.1074/jbc.275.14.10308;
Kumar S., McDonnell P.C., Lehr R., Tierney L., Tzimas M.N.,
Griswold D.E., Capper E.A., Tal-Singer R., Wells G.I., Doyle M.I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Four new
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Identification and initial characterization of four novel members the interleukin-1 family.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=20092888; PubMed=10625660; Smith D.E., Renshaw B.R., Ketchem I
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                                                                                                                                                                                         Pan Y., Smith D.E., Young P.R.;
"A new nomenclature for the IL-1-family
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        P; Q9QYYI; IMD6.
G0:0005576; C:extracellular; IEA.
G0:0005149; F:interleukin-1 receptor l
G0:0006545; P:immune response; IEA.
G0:0006954; P:inflammatory response;
G0:0006954; P:inflammatory response;
erPro; IPR008996; Cytck IL1 like.
                                                                                                            SIMILARITY: Belongs to the L; BN000002; CAD29875.1;
                                                                                                                                                                                                                                                                                                        novel II-1 family members, II-1 delta and II-1 epsilon, function antagonist and agonist of NF-KB activation through the orphan receptor-related protein 2.J. Immunol. 167: 1440-1446."; mmunol. 167:1440-1446(2001).
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R.R., Kubin M., Garka K.E.,
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PRINTS; PR01264; INTELEUKIN1.
PRINTS; PR01359; INTRLEUKN1AB.
PRINTS; PR01357; INTRLEUKN1AB.
ProDom; PD002536; Interleukin_1; 1.
ProDom; PD002536; Interleukin_4; 1.
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                                                                   STRAIN-Swiss Webster / NIH;
MEDLINE=21988051; PubMed=11991723; DOI=10.1006/geno.2002
Taylor S.L., Renshaw B.R., Garka K.E., Smith D.E., Sims
"Genomic organization of the interleukin-1 locus.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOUSE
SEQUENCE FROM N.A.
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Mammalia; Eutheria; Rodentia;
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                                                                                                                                                                                     FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LeuPheTyrHisSerGinSerGiyArgAsnSerThrPheGluSerValAlaPheProGly
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                                               79:726-733 (2002).
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IPR000975; Interleukin_1.
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Sciurognathi;
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Matches:
Conservative:
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thi; Muridae; Murinae; Mus
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Best Local Similarity:
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RA Nikaido I., Osato N., Kasukawa T., Adachi J., Bono H., Kondo S.,
RA Nikaido I., Osato N., Satto R., Suzuki H., Yamanaka I., Kiyosawa H.,
RA Nikaido I., Osato N., Satto R., Suzuki H., Yamanaka I., Kiyosawa H.,
RA Schriml I.M., Hill D.P., Bult C., Hume D.A., Quackenbush J.,
RA Baldarelli R., Hill D.P., Bult C., Hume D.A., Quackenbush J.,
RA Schriml L.M., Kanapin A., Matsuda H., Batalov S., Beisel K.W.,
RA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,
RA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,
RA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,
RA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S.,
RA Gasterland T., Gariboldi M., Gissi C., Godzik A., Gough J.,
RA Grimmond S., Gustincich S., Hirokawa N., Jackson I.J., Jarvis E.D.,
RA Kanai A., Kawaji H., Kawasawa Y., Kedzierski R.M., King B.L.,
RA Kanai A., Kawaji H., Marchionni L., McKenzie L., Miki H.,
RA Magashima T., Numata K., Okido T., Pavan W.J., Pertea G., Pesole G.,
RA Petrovsky N., Pillai R., Pontius J.U., Qi D., Ramachandran S.,
RA Petrovsky N., Pillai R., Pontius J.U., Qi D., Ramachandran S.,
RA Ravasi T., Reed J.C., Reed D.J., Reid J., Ring B.Z., Ringwald M.,
RA Sandelin A., Schneider C., Semple C.A., Setou M., Shimada K.,
RA Verardo R., Wanshaw-Boris A., Yanagisawa M., Yang I., Yang L.,
RA Van Z., Zavolan M., Zhu Y., Zimmer A., Carninci P., Hayatsu N.,
RA Hirozane-Kishikawa T., Konno H., Nakamura M., Sakazume N., Sato K.,
RA Minning L.G., Wynshaw-Boris A., Yanagisawa M., Yang I., Yang L.,
RA Minning L.G., Wanki K., Kawai J., Aizawa K., Arakawa T., Fukuda S.,
RA Hirozane-Kishikawa T., Konno H., Nakamura M., Sakazume N., Sato K.,
RA Minning L.G., Waki K., Kawai J., Aizawa K., Arakawa T., Fukuda S.,
RA Minning H.G., Walki K., Sasaki D., Shinagawa A.,
Wannishi A., Sakai K., Sasaki D., Shinagawa A.,
Wannishi A., Sakai K., Sasaki D., Shinagawa A.,
Wannishi A., Sakai K., Sakai K., Sakai K., S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRINTS; PR00264; INTERLEUKIN1.
ProDom; PD002536; Interleukin_1; 1.
SMART; SM00125; IL1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; AY071842; AAL67152.1; ALT_INIT. EMBL; AK009787; BAB26505.1; -. HSSP; P01584; 1L2H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        use by non-profit institutions as long a modified and this statement is not removed. entitles requires a license agreement (See l or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PROSITE; PS00253; INTERLEUKIN_1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              60,770 full-length cDNAs.";
Nature 420:563-573(2002).
-!- SUBCELLULAR LOCATION: Secreted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cytokine; Multigene family.
SEQUENCE 183 AA; 20878 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterPro; IPR008996; Cytok_IL1_like
InterPro; IPR000975; Interleukin_1.
Pfam; PF00340; IL1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This SWISS-PROT entry is copyright. It is produced through a between the Swiss Institute of Bioinformatics and the EMBI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 No.:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MGD; MGI:1916927; Illf8.
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                                                           190 AATCTCATAGCAGTTCCAGATAAAAACTACATACGCCCCAGAGATCTTCTTTGCATTAGCC
                                                                                                                                                                                                       130 AACCCGAAGAATTCAGCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGG
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                                                                                                                                 SerProArgAsnTyrArgValHisAspSerGlnGlnMetValTrpValLeuThrGlyAsn
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Matches:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           There are no restrictions ong as its content is in
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ThrLeuThrAlaValProAlaSerAsnAsnValLysProValIleLeuSerLeuIleAla

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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

STRAIN=C57BL/6J; TISSUE=Stomach, and Tongue;

STRAIN=C57BL/6J; TISSUE=Stomach, and Tongue;

STRAIN=C57BL/6J; TISSUE=Stomach, and Tongue;

STRAIN=C57BL/6J; TISSUE=Stomach, and Tongue;

MEDLINE=22354683; PubMed=12466851; DOI=01.08 / Nature T., Rondo N., Kondo S.,

Okazaki Y., Furuno M., Kasukawa T., Adachi J., Sananaka I., Kiyosawa H.,

Nikaido I., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H.,

Yagi K., Tomaru Y., Hasegawa Y., Nogami A., Schombach C., Gojobori T.

Baldarelli R., Hill D.P., Bult C., Hume D.A., Quackenbush J.,

Baldarelli R., Wananin A., Matsuda H., Batalov S., Beisel K.W.,
                                                                                                                                                                                                                                                                                                                                                              the
                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=20209405; PubMed=10744718;
Kumar S., McDonnell P.C., Lehr R.,
Griswold D.E., Capper E.A., Tal-Sir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=20545212; PubMed=11093146; DOI=10:1002/1521-4141(200011)30:11:3299::AID-IMMU3299>3.0.CO;2-S; Barton J.L., Herbst R., Bosisio D., Higgins L., Nicklin M.J.H.; Barton Specific IL-1 receptor antagonist homolog from the IL-1 "A tissue specific IL-1 receptor antagonist homolog from the IL-1 cluster lacks IL-1, IL-1ra, IL-18 and IL-18 antagonist activities Exr. J. Immunol. 30:3299-3308(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Two novel IL-1 family members, IL-1 delta and IL-1 epsilon, f as an antagonist and agonist of NF-kappa B activation through orphan IL-1 receptor-related protein 2.";
J. Immunol. 167:1440-1446(2001).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=21359532; PubMed=11466363;
Debets R., Timans J.C., Homey B., Zurawski S.,
Wagner J., Edwards G., Clifford T., Menon S., I
Kastelein R.A.;
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28-FEB-2003 (Rel. 41, Last sequence update)
28-FEB-2003 (Rel. 44, Last sequence update)
25-CCT-2004 (Rel. 45, Last annotation update)
25-CCT-2004 (Rel. 45, Last annotation update)
Interleukin 1 family member 5 (IL-1F5) (Interleukin-1 delta) (IL-1
delta) (Interleukin-1-like protein-1) (Interleukin-1-like protein (IL-1L1) (Interleukin-1 homolog 3) (
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Q9QYY1; Q9JIG2;
                                                                                                                                                                                                                                                                                                                                                           "Identification and initial characterization of four novel members the interleukin-1 family.";
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Mammalia; Eutheria; Rodentia;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 744718; DOI=10.1074/jbc.275.14.10308;
ehr R., Tierney L., Tzimas M.N.,
Tal-Singer R., Wells G.I., Doyle M.L
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Bazan J.F.,
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; Murinae; Mus
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RA Konagaya A., Kurochkin I.V., Lee Y., Lenhard B., Lyons P.A.,

RA Maglott D.R., Maltais L., Marchiomi L., McKenzie L., Miki H.,

RA Magashima T., Numata K., Okido T., Pavan W.J., Pertea G., Pesole G.,

RA Ravasi T., Reed J.C., Reed D.J., Reid J., Ring B.Z., Ringwald M.,

RA Ravasi T., Reed J.C., Reed D.J., Reid J., Ring B.Z., Ringwald M.,

RA Ravasi T., Reed J.C., Reed D.J., Reid J., Ring B.Z., Ringwald M.,

RA Ravasi T., Weed J.C., Reed D.J., Reid J., Ring B.Z., Ringwald M.,

RA Ravasi T., Weed J.C., Reed D.J., Reid J., Ring B.Z., Ringwald M.,

RA Sandelin A., Schneider C., Semple C.A., Setou M., Shimada K.,

Verardo R., Wagner L., Wahlestedt C., Wang Y., Watanabe Y., Wells C.,

RA Wilming L.G., Wynshaw-Boris A., Yangjawa M., Yang I., Yang L.,

RA Wilming L.G., Wynshaw-Boris A., Yangjawa M., Yang I., Yang L.,

RA Wilming L.G., Wynshaw-Boris A., Yangjawa M., Yang I., Yang L.,

RA Wilming L.G., Rynshaw-Boris A., Yangjawa M., Sakazume N., Sato K.,

RA Wilming L.G., Rynshawa T., Konno H., Nakamura M., Sakazume N., Sato K.,

RA Hirozane-Kishikawa T., Konno H., Nakamura M., Sakazume N., Sato K.,

RA Hara A., Hashizume W., Imotani K., Ishii Y., Itoh M., Kagawa I.,

RA Miyazaki A., Sakai K., Sasaki D., Shibata K., Shinagawa A.,

RA Mishishi A., Yoshino M., Waterston R., Lander E.S., Rogers J.,

RA Birney E., Hayashizaki Y.;

Randlysis of the mouse transcriptome based on functional annotation of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E
Dalla E., Dragani T.A., Fletcher C.F., Forrest A., Frazel
Gaasterland T., Gariboldi M., Gissi C., Godzik A., Gough
Grimmond S., Gustincich S., Hirokawa N., Jackson I.J., Ja
                                                                                                                                                                SEQUENCE
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Nature 420:563-573(2002).
                                                                                                                                                                                                                         SMART; SM00125; IL1; 1
PROSITE; PS00253; INTE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         entities requires
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This
                                                                                                                                                                                                                                                               PRINTS; PR00264; INTERLEUKIN1.
ProDom; PD002536; Interleukin
                                                                                                                                                                                                                                                                                                          InterPro; IPR000975; Interleukin_1.
Pfam; PF00340; IL1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    or send an email to license@isb-sib.ch).
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                                                                                                                                                                                                    3D-structure;
                                                                                                                                                                                                                                                                                                                                            PDB; 1MD6; X-ray; A=3-156.
WGD; MGI:1859325; Illf5.
InterPro; IPR008996; Cytok
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              s SWISS-PROT entry is copyright. It is produced through ween the Swiss Institute of Bioinformatics and the EN European Bioinformatics Institute. There are no rest
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 receptor-related protein 2-mediated response to interleukin 1 family member 9 (ILIF9). Could constitute part of an independent signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL-1R1), that is present in epithelial barriers and takes part in local inflammatory response (By similarity).

SUBCELLULAR LOCATION: Secreted (By similarity).

TISSUE SPECIFICITY: Highly abundant in embryonic tissue and tissues containing epithelial cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SIMILARITY: Belongs to the IL-1 family.
                                                                                                                                                                                                                                                                                                                                                                                                         ; AF230378; AAF91275.1;
, AK009741; BAB26471.1;
, AK008977; BAB26002.1;
, AZ50429; CAB59831.1; A
, AZ50429; CAB59831.1; A
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                                                                                                                          Scores:
                                        Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          pean Bioinformatics Institute. There are no restrictions non-profit institutions as long as its content is in and this statement is not removed. Usage by and for con
                                                                                                                                                                156 AA;
                                                                                                                                                                                     Cytokine; Multigene
2 Miss
                                                                                                                                                                                                                                                                  Interleukin_1;
                                                                                                                                                                                                                         INTERLEUKIN_1; 1
                   2.66e-10
191.50
50.99%
35.10%
16.89%
                                                                                                                                                                17136 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         license agreement
                                                                                                                                                                                                                                                                                                                                                  IL1_like
                                                                                                                                                              Missing (in Ref. 3).; A4D1EE2F93CF77A7 C
                Conservative: Mismatches: Indels:
Gaps:
                                                                              Length:
Matches:
                                                                                                                                                                                                      family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       moved. Usage by and for (See http://www.isb-sib
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US-09-869-566-4 (1-650) x I1F5_MOUSE

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                                                                                                                                                                                                                SEQUENCE FROM N.A.

Abaya E., Baker K., Baldwin D., Brush J., Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J., Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P. Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S., Eaton D., Foster J., Klimowski L., Jin Y., Johnson S., Lee J., Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J., Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A., Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.H., Yansura D., Vi S., Watanabe C., Zhang M., Zhang Z., Goddard A., Wood W.I., Vi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,
                                                      EMBL; AY35911; AAQ89469.1; ...
GO; GO:0005576; C:extracellular; IEA.
GO; GO:0005152; F:interleukin-1 receptor antagonist activity; IEA.
GO; GO:0006955; P:immunc response; IEA.
InterPro; IPR008996; Cyrok III like.
InterPro; IPR003997; InterTeukinILIRA.
InterPro; IPR000975; InterTeukinILIRA.
                                                                                                                                                "The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane protein bioinformatics assessment.";
Genome Res. 13:2265-2270(2003).
-!- SIMILARITY: BROONS to the IL-1 family.
PRINTS; PR00264; INTERLEUKIN1. PRINTS; PR01360; INTRLEUKINIX. Pr0D00m; PD002536; Interleukin_1; SMART; SM00125; IL1; 1.
SEQUENCE 134 AA; 14928 MW; D5
                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                            ORFNames=UNQ2456;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-JUL-2004
05-JUL-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CAGGTGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MetGluLeuTyrLeuGlyAlaLysGluSer-----LysSerPheThrPheTyrArgArg
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| AlaSerLeu-----SerProValIleLeuGlyValGlnGlyGlySerGlnCysLeu
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                                                                                                                                                                                                                                                                                              SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                        Name=IL1F5; Synonyms=FIL1D,
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                                                                          TISSUE=Placenta;
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                                                                                                                                                                                                                                                                                                                                  Eutheria;
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64.77%
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16.75%
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Matches:
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SEQUENCE FALL.

TISSUS=Fetal skin;

MEDLINE=99443727; PubMed=10512743; DOJ=40...

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28-FEB-2003 (Rel. 41, Last sequence update)
28-FEB-2004 (Rel. 44, Last annotation update)
Interleukin 1 family (member 5 (II-1F5) (Interleukin-1 delta) (II-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=20092888; PubMed=10625660; DOI=10.1074/jbc.275.2.1169; Smith D.E., Renshaw B.R., Ketchem R.R., Kubin M., Garka K.E.,
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Primates; Catarrhini; Hominidae;
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RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max. S.I., Wang J., Hsieh F.,
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RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Wullahy S.J.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003; Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J., Chen J., Chow B., Chui C., Crowley C., Currell B., Dewel B., Dowd P., Baton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S., Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J., Lewis L., Liao D., Mark M., Robbie E., Sanchez C., Schoenfeld J., Vandlen R., Watanabe C., Wieand D., Woods K., Xie M.-H., Yansura D., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I., Thou and J., Gray A., The Colombia C., Gray A., The C., The Colombia C., Gray A., The Colombia C., Gray A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=21359532; PubMed=11466363;
Debets R., Timans J.C., Homey B., Zurawski S.,
Wagner J., Edwards G., Clifford T., Menon S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "The secreted protein discovery initiative (SPDI), effort to identify novel human secreted and transme bioinformatics assessment.";
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                             IR1), that is present in epithelial barriers and takes part in local inflammatory response.
SUBCELLULAR LOCATION: Secreted.
TISSUE SPECIFICITY: Predominantly expressed in keratinocytes b not in fibroblasts, endothelial cells or melanocytes. Detected also in the spleen, brain leukocyte and macrophage cell types. INCUCTION: By phorbol ester (PMA) and lypopolysaccharide (LPS) treatment in macrophage cell line.
                                                                                                                                                                                                                                                                                                                                                                                                                   FUNCTION: Is a highly and a specific antagonist of the IL-1 receptor-related protein 2-mediated response to interleukin 1 family member 9 (ILIF9). Could constitute part of an independent
                                                                                                                                                                                                                                                                                                            signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL-1R1), that is present in epithelial barriers and takes part in
SIMILARITY: Belongs to the IL-1 family
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nics 66:213-216(2000)
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Bazan J.F.,
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Best Local Similarity:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Alignment
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ProDom; PD002536; Interleukin_1;
SMART; SM00125; IL1; 1.
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InterPro; IPR000975; Interleukin 1.
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erPro; IPR008996; Cytok_IL1_like.
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                                                                                                                   CAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAACTGATGAAGCTG---
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license agreement (See http://www.isb-sib.ch/announce/
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MEDLINB=20545212; PubMed=11093146;

MEDLINB=20545212; PubMed=11093146;

DOI=10.1002/1521-4141(200011)30:11<3299::AID-IMMU3299>3.0.CO;2-S;

DOI=10.1002/1521-4141(200011)30:11<3299::AID-IMMU3299>3.0.CO;2-S;

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"A tissue specific IL-1 receptor antagonist homolog from the IL-1

"A tissue specific IL-1 receptor antagonist homolog from the IL-1

cluster lacke IL-1, IL-1ra, IL-18 and IL-18 antagonist activities.";

Eur. J. Immunol. 30:3299-3308(2000).
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                                                                                                                                                                                                                               MEDLINE=99443727; PubMed=10512743; DOI=10.1006/bbrc.1999.1440; Mulero J.J., Pace A.M., Nelken S.T., Loeb D.D., Correa T.R., Drmanac R., Ford J.E.; Drmanac R., Ford J.E.; "ILHYI: A novel interleukin-1 receptor antagonist gene."; Biochem. Biophys. Res. Commun. 263:702-706(1999).
                                            MEDLINE=20209405; PubMed=10744718; DOI=10.1074/jbc.275.14.10308;
Kumar S., McDonnell P.C., Lehr R., Tierney L., Tzimas M.N.,
Kumar S., McDonnell P.C., Tah-Singer R., Wells G.I., Doyle M.L
                                                                                                                                                               mbullns=20092888; PubMed=10625660; Smith D.E., Renshaw B.R., Ketchem I
                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=21988050; PubMed=11991722; Nicklin M.J.H., Barton J.L., Nguyer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Nicklin M.J.H., Weith A., Duff G.W.;
"A Physical map of the region encompassing the human alpha, interleukin-1-beta and interleukin-1 receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=94245215; PubMed=8188271; Nicklin M.J.H., Weith A., Duff G.W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      an integrated YAC/PAC contig
region of chromosome 2q13.";
Genomics 41:370-378(1997).
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01-MAR-2004
                                                                                                                                                         Sims J.E.;
                                                                                                                                                                                                                                                                                                           SEQUENCE FROM
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Nothwang H.G., Strahm B., Denich D., Kuebler M., Schwabe J.,
Gingrich J.C., Jauch A., Cox A., Nicklin M.J.H., Kurnit D.M.,
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                                                                                                                         new members expand the interleukin-1 superfamily."; ol. Chem. 275:1169-1175(2000).
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                                                                                             FROM
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n M., Fitzgerald M.G., Duff
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                  novel members
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                                             Doyle M.L.,
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Best I
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Pred. No.:
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Best Local Similari
Query Match:
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   US-09-869-566-4 (1-650)
                                                                                                                                                                                                                                                                                                                                                     PTAM; PF00340; IL1; 1.

PRINTS; PR00264; INTERLEUKIN1.

PRINTS; PR01359; INTRLEUKINIX.

PRINTS; PR01360; INTRLEUKINIX.

PRODOM; PB002536; INTERLEUKIN 1; 1.

PROSITE; PS00253; INTERLEUKIN 1; UNKNOWN 1.

PROSITE; PS00253; INTERLEUKIN 1; UNKNOWN 1.
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"A new nomenclature for the IL-1-family genes.";
Trends Immunol. 22:536-537(2001)
-!- MISCELLANEOUS: The sequence shown here is derived from an LMEL/GenBank/DDBJ third party annotation (TPA) entry.
-!- SIMILARITY: Belongs to the IL-1 family.
EMBL; BN00002; CAD29877.1;
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EMBL; BN00002; CAD29877.1;
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EMBL; DN00002; CAD29872.1;
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EMBL; DN00002; CAD298
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InterPro; IPR003296; InterleukInILIB.
InterPro; IPR003297; InterleukInILIRA.
InterPro; IPR00975; Interleukin_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   as an antagonist and agonist of NF-kB activation through the IL-1 receptor-related protein 2.J. Immunol. 167: 1440-1446."; J. Immunol. 167:1440-1446(2001).
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Debets R., Timans J.C., Homey B., Zu
Wagner J., Edwards G., Clifford T.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINB=20318623; PubMed=10860666; DOI=10.1006/geno.2000.6184; Busfield S.J., Comrack C.A., Yu G., Chickering T.W., Smutko J.S., Zhou H., Leiby K.R., Holmgren L.M., Gearing D.P., Pan Y.; Zhou H., Leiby K.R., Holmgren L.M., Gearing D.P., Pan Y.; "Identification and gene organization of three novel members of the
                                                                                                                                                                                                                                                          No.:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=21066552; PubMed=11145836; DOI=10.1006/cyto.2000.0799, Pan G., Risser P., Mao W., Baldwin D.T., Zhong A.W., Filvaroff Yansura D., Lewis L., Eigenbrot C., Henzel W.J., Vandlen R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Two novel IL-1 family members,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kastelein
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Genomics 66:213-216(2000)
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GO:0005152; P:interleukin-1 receptor antagonist activity; IEA.
GO:0006955; P:immune response; IEA.
GO:0006954; P:inflammatory response; IEA.
                                                                                                                                                                                                                                                                                            Scores:
                                                                                                                                                Similarity:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Chem.
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   (1-155)
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Matches:
Conservative:
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RESULT 13
                                                                                                                                                                                       STRAIN=wiss Webster / NIH;

MEDLINE=21988051; PubMed=1191723; DOI=10.1006/geno.2002.6752;

Taylor S.L., Renshaw B.R., Garka K.E., Smith D.E., Sims J.E.;

"Genomic organization of the interleukin-1 locus.";

Genomics 79:726-733(2002).

-i- FUNCTION: Function as an agonist of NF-kappa B activation through the orphan IL-1-receptor-related protein 2. Could constitute part of an independent signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL-1R), that is present in epithelial barriers and takes part in local inflammatory response (By similarity).

-i- SUBCELLULAR LOCATION: Secreted (By similarity).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q8R460;
28-FEB-2003
28-FEB-2003
05-JUL-2004
               This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
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Mammalia; Eutheria;
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(Rel. 41, Last sequence update)
(Rel. 44, Last annotation update)
1 family member 9 (IL-1F9).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chordata;
Rodentia;
license@isb-sib.ch).
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RESULT 14
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Best Local Similarity:
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                                                                                                                                         01-MAR-2003
01-MAR-2003
01-MAR-2004
                                                                                                                                                                                  Q8CGA1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRINTS; PR00264; INTERLEUKIN1.

ProDom; PD002536; Interleukin_1; 1.

SMART; SM00125; III; 1.

PROSITE; PS00253; INTERLEUKIN_1; FALSE_NEG.

Cytokine; Multigene family.

SEQUENCE 164 AA; 18733 MW; A7338D475DFE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; AY071843; AAL67153.1;
HSSP; P01584; 1L2H.
MGD; MGI:2449929; Illf9.
SEQUENCE FROM N.A.
STRAIN=FVB/N; TISSUE=Mammary tumor;
MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                  NCBI_TaxID=10090;
                                                                                                               Name=Illrn;
                                                                    Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                 Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pfam; PF00340; IL1;
                                                                                                                         Interleukin 1 receptor antagonist.
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InterPro; IPR000975; Interleukin_1.
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                                                                                                                                                                                                                                                      PheAsn
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                                                                                                                                                                                                                                                                                                                                                                                            GTGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCC
                                                                                                                                                                                                                                                                                                                                                                                                                          LeuAspLeuTyrHisHisProGlu---ProMetLysProPheLeuPheTyrHisThrArg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TACTGTGACAAGGATAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAACTG
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                                                                                                                                     (TrEMBLrel. 23, Created)
(TrEMBLrel. 23, Last sequence update)
(TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                PRELIMINARY;
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                                                                    Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus
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Mismatches:
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Pred. No.:
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A Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Richards S., McCEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., McTley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Pahey J., Helton B., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
RA Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
RA Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
RA Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Receptor.
SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MGD; MGI:96547; Illrn.
GO; GO:0030073; P:insulin secretion; IMP.
GO; GO:006629; P:lipid metabolism; IMP.
InterPro; IPR008996; Cytok IL1 like.
InterPro; IPR003297; InterleukinILIRA.
InterPro; IPR003975; Interleukin_1.
Pfam; PF00340; IL1; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ProDom; PD002536; Interleukin_1; 1.
SMART; SM00125; IL1; 1.
PROSITE; PS00253; INTERLEUKIN_1; 1.
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PRINTS; PR01360; INTRLEUKIN1X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases -!- SIMILARITY: Belongs to the IL-1 family. EMBL; BC042532; AAH42532.1; -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Strausberg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Jones S.J., Marra M.A.; "Generation and initial analysis of more than 15,000 and mouse cDNA sequences.";
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SerCysAlaLysSerGlyAspAspIle-----LysLeuGlnLeuGluGluValAsnIle
                                                                                                                                                                                            GATAAAAACTACATACGC----CCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCA
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                                                                            ValProIleAspLeuHisSer---ValPheLeuGlyIleHisGlyGlyLysLeuCysLeu
                                                                                                                GCCTCTGCGGAGAAAGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTC
                                                                                                                                                      -----GlyTyrLeuGlnGlyProAsnIle-----LysLeuGluGluLysLeuAspMet
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173.00
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32.12%
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Conservative:
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Indels:
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RA Yagi K., Tomaru Y., Hasegawa Y., Nogami A., Schonbach C., Gojobori T., Ra Baldarelli R., Hill D.P., Bult C., Hume D.A., Quackenbush J., Schriml L.M., Kanapin A., Matsuda H., Batalov S., Beisel K.W., RA Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S., Ra Blake J.A., Bradt D., Brusic V., Chothia C., Corbani L.E., Cousins S., Dalla E., Dragani T.A., Fletcher C.F., Forrest A., Frazer K.S., Dalla E., Dragani T.A., Fletcher C.F., Forrest A., Frazer K.S., Gastinchof S., Hirokawa N., Jackson I.J., Jarvis B.D., Kang G., Kuccich S., Hirokawa N., Jackson I.J., Jarvis B.D., Kanai A., Kawaji H., Kawasawa Y., Kedzierski R.M., King B.L., Konagaya A., Kurochkin I.V., Lee Y., Lenhard B., Lyons P.A., Kanai A., Kawaji H., Kawasawa Y., Kedzierski R.M., King B.L., Konagaya A., Kurochkin I.V., Lee Y., Lenhard B., Lyons P.A., Kanai A., Kanachionni L., McKenzie L., Miki H., Ra Nagashima T., Numata K., Okido T., Pavan W.J., Pertea G., Pesole G., Petrovsky N., Pillai R., Pontius J.U., Qi D., Ramachandran S., Ra Ravasi T., Reed J.C., Reed D.J., Reid J., Ring B.Z., Ringwald M., Sandelln A., Scheeider C., Semple C.A., Setou M., Shimada K., Sandelln A., Scheeider C., Semple C.A., Setou M., Shimada K., Sultana R., Takenaka Y., Taylor M.S., Teasdale R.D., Tomita M., Vang I., Yang I., Yang L., Y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Two novel IL-1 family members, IL-1 delta and IL-1 epsilon, f as an antagonist and agonist of NF-kappa B activation through orphan IL-1 receptor-related protein 2.";
"J. Immunol. 167:1440-1446(2001)."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-FEB-2003 (Rel. 41, Created)
28-FEB-2003 (Rel. 41, Last sequence update)
05-JUL-2004 (Rel. 44, Last sequence update)
Interleukin 1 family member 6 (II-1F6) (Interleukin-1 epsilon) (IL-1
epsilon) (FIL1 epsilon) (Interleukin-1 homolog 1) (IL-1H1).
Name=Illf6; Synonyms=Fille, Ille, Illh1;
Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11F6_MOUSE
Q9JLA2;
28-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=22354683; PubMed=12466851; DOI=10.1038/nature01266;
Okazaki Y., Furuno M., Kasukawa T., Adachi J., Bono H., Kondo S.,
Okazaki OI., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H.,
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STRAIN=C57BL/6J; TISSUE=Embryo;
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MEDLINE=21359532; PubMed=11466363;
Debets R., Timans J.C., Homey B., Zurawski S., Sana
Wagner J., Edwards G., Clifford T., Menon S., Bazan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=20209405; PubMed=10744718; DOI=10.1074/jbc.275.14.10308;
Kumar S., McDonnell P.C., Lehr R., Tierney L., Tzimas M.N.,
Griswold D.E., Capper E.A., Tal-Singer R., Wells G.I., Doyle M.L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               the interleukin-1 family.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kastelein R.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Identification and initial characterization of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=10090
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Bazan J.F.,
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US-09-869-566-4 (1-650) x I1F6_MOUSE (1-160)
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DB:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cytokine; Multigene SEQUENCE 160 AA;
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ProDom; PD002536; Interleukin_1; 1.

SMART; SM00125; ILl; 1.

PROSITE; PS00253; INTERLEUKIN_1; FALSE_NEG.
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EMBL; AF206697; AAG35671.1; -.
EMBL; AK004061; BAB23147.1; -.
HSSP; P01584; 1HIB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  modified and this statement is not removed. entities requires a license agreement (See or send an email to license@isb-sib.ch).
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InterPro; IPR000975; InterTeukin_1.
Pfam; PF00340; IL1; 1.
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104 VallysAlaSer---LeuPheTyrHisLysLysSerGlyThrThrSerThrPheGluSer 122
                                                                                                                                                                                                                                                                                                                                      235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         115 AAGGTGAAGAACTTAAACCCCGAAGAAATTCAGCATTCATGACCAGGATCACAAAGTACTG 174
                                                                                                                                                                                                                                      292 CTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGACAAGGATAAAGGACAAAGT 351
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                                  GCACGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCG 471
                                                                                                                                         GTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTACATACGCCCAGAGATC 234
                                                                                                                                                                                        TyrMetGlyValGlnArgProMetSerCysLeuPheCysThrLysAspGlyGluGln---
                                                                                                                                                                                                                                                                                     IleThrLeuLeuProCysGlnTyrLeuAspThrLeuGluThrAsnArgGlyAspProThr 65
                                                                                                                                                                                                                                                                                                                                      TTCTTTGCATTA---GCCTCATCCTTGAGCTCAGCCTCTGCGGAGAAAGGAAGTCCGATT 291
                                                                                                                                                                                                                                                                                                                                                                             GluLeuArgAlaAlaSerProSerLeuArgHisValGlnAspLeuSerSerArgValTrp 25
                                                                                        ---ProValLeuGlnLeuGlyGluGlyAsnIleMetGluMetTyrAsnLysLysGluPro 103
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                                       472 GCGGCTCACCCCGGATGGTTCATC----TGCACCTCCTGCAATTGT 513
AlaAlaPheProGlyTrpPheIleAlaValCysSerLysGlySerCys
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Search completed: May 28, 2005, 17:38:39 Job time : 98.5 secs

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Result
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Perfect score:
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2: gb htg:*

3: gb om:*

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8	Query Match Best Local : Matches 65	ORIGIN	FEATURES source					COMMENT	TITLE JOURNAL	REFERENCE AUTHORS	SOURCE ORGANISM	DEFINITION ACCESSION VERSION	RESULT 1 BD263568 LOCUS
1 TAATTCACCATGTCTGCACTTCTGATCCTAGCTCTTGTTGGAGCTGCAGTTGCTGACTAC 60	y Match 100.0%; Score 650; DB 6; Length 650; Local Similarity 100.0%; Pred. No. 5.7e-181; hes 650; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	/organism="gynthetic construct" /mol_type="genomic DNA" /db_xref="taxon:32630"	FT /organism='Artificial Sequence'. Location/Qualifiers 1650	Key I	C12P21/02,C12P21 recombinant DNA	FI AUDREY GODDARD, JAMES PAN PC C12N15/09,C07K14/475,C07K16/18,C12N1/15,C12N1/19,C12N1/21, PC C12N5/10	22-DEC-1999 (23-DEC-1998 (OS Artificial Sequence PN JP 2002533122-A/2 PD 08-OCT-2002	IL-1 related polypeptides Patent: JP 2002533122-A 2 08-OCT-2002; GENEMTECH INC	other sequences; artificial sequences. 1 (bases 1 to 650) Goddard, A. and Pan, J.	synthetic construct synthetic construct	IL-1 related polypeptides. BD263568 BD263568.1 GI:33073336 TD 26252132 M/2	BD263568 650 bp DNA linear PAT 17-JUL-2003

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GENENTECH INC

OS Homo sapiens (human)

PN JP 2002533122-A/1

PD 08-OCT-2002

PF 22-DEC-1999 US 60/113430,22-JAN-1999 US 60/116843 PR

13-APR-1999 US 60/12912

PI AUDREY GODDARD, JAMES PAN

PC C12N15/09,C07K14/475,C07K16/18,C12N1/15,C12N1/19,C12N1/21, PC

C12N5/10,

PC C12P21/02,C12P21/08,C12N15/00,C12N5/00

FT SOURCE FH Key

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FT SOURCE /organism='Homo sapiens (human)'.
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Eukaryota; Metazoa; Chordata; C
Mammalia; Eutheria; Primates; C
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Goddard, A. and Pan, J.
IL-1 related polypeptides
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 Strausberg, R. L., Feingold, E. A., Grouse, L. H., Derge, J. G.,
Klausner, R. D., Collins, F. S., Wagner, L., Shenmen, C. M., Schuler, G. D.,
Altschul, S. F., Zeeberg, B., Buetow, K. H., Schaefer, C. F., Bhat, N. K.,
Hopkins, R. F., Jordan, H., Moore, T., Max, S. I., Wang, J., Hsieh, F.,
Diatchenko, L., Marusina, K., Farmer, A. A., Rubin, G. M., Hong, L.,
Stapleton, M., Soares, M. B., Bonaldo, M. F., Casavant, T. L.,
Scheetz, T. E., Brownstein, M. J., Usdin, T. B., Toshiyuki, S.,
Carninci, P., Prange, C., Raha, S. S., Loquellano, N. A., Peters, G. J.,
Abramson, R. D., Mullahy, S. J., Bosak, S. A., McEwan, P. J.,
McKernan, K. J., Malek, J. A., Gray, L. J., Hulyk, S. W.,
Worley, K. C., Hale, S., Garcia, A. M., Gay, L. J., Hulyk, S. W.,
Villalon, D. K., Muzny, D. M., Sodergren, E. J., Lu, X., Gibbs, R. A.,
                                                                                                                                                                                                                                            Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                  Homo sapiens (human)
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/mol_type="genomic DNA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
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99.4%;
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Primates;
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Pred. No. 6.8e-145;
0; Mismatches 3;
                                                                                                                                                                                                                                            Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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COMMENT
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                                                                                      Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    source
                                                                                                            Local Similarity
                                                                                   526;
86 CCGCGAATTCAGCTCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Clone distribution: MGC clone distribution information can be for through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Series: IRAL Plate: 37 Row: h Column: 22
This clone was selected for full length sequencing because it
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cDNA Library Preparation: CLONTECH Laboratories, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Sequencing Group at the Stanford Human Genome Center, Stanford University School of Medicine, Stanford, CA 94: Web site:

http://www-shgc.stanford.edu
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriquez, A., and Myers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
Email: cgapbs-remail.nih.gov
Tissue Procurement: CLONTECH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Direct Submission
Submitted (03-JAN-2002) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Fahey, J., Helton, E., Ketteman, M., Madan, A., Rodrigues, S., Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y., Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D., Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M., Butterfield, Y.S., Krzywinski, M.I., Skalska, U., Smailus, D.E., Schnerch, A., Schein, J.E., Jones, S.J. and Marra, M.A. Generation and initial analysis of more than 15,000 full-length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       passed
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Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
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                                                                                   Conservative
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                                                                                                                                                                                                                                                                /translation="MSFVGENSGVKMGSEDWEKDEPQCCLEDPAVSPLEPGPSLPAMN
FVHTSPKVKNLNPKKFSIHDQDHKVLVLDSGNLIAVPDKNYIRPEIFFALASSLSSAS
AEKGSPILLGVSKGEFCLYCDKDKGQSHPSLQLKKEKLMKLAAQKESARRPFIFYRAQ
                                                                                                                                                                                                                                        VGSWNMLESAAHPGWFICTSCNCNEPVGVTDKFENRKHIEFSFQPVCKAEMSPSEVSD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /codon_start=1
/product="interleukin 1 family, member 7, isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               tissue_type="Placenta"
/clone_lib="NIH_MGC_79"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="MGC:22276 IMAGE:4731213"
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                                                                                                                                                                                                                                                                                                                                            db_xref="LocusID:27178"
db_xref="MIM:605510"
                                                                                                                                                                                                                                                                                                                                                                                             protein_id="AAH20637.1"
db_xref="GI:18088328"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              gene="IL1F7"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     roprotein"
                                                                                                      79.5%;
97.2%;
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                                                                                 Score 517; DB 9;
Pred. No. 1.4e-141;
0; Mismatches 15;
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                                                                                                                                 Length 760;
                                                                                   Indels
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                                                                              Gaps
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RESULT 4
AX133934
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DEFINITION
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AUTHORS
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 302
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                                                                                                                                                                                                                                                                                                                                                                                                     AX133934
Sequence 4 :
AX133934
AX133934.1
                                                                                                                                                                                                                                                       Polypeptide and uses thereof
Patent: EP 1092773-A 4 18-APR-2001;
KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU
                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (human)
                                                                                                                                                                                                                                                                                                    Ushio,S.,
                                                                                                                           h 79.5%;
Similarity 97.2%;
                          GCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTC
                                                       CCGCCATGAATTTTGTTCACACAAGTCCAAAGGTGAAGAACTTAAACCCGGAAGAATTCA
                                                                                   CCGCGAATTCAGCTCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCA 145
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                                                                                                                                                                                                                                 847 bp
from Patent EP1092773.
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                                                                                                              Score 517; DB 6; Pred. No. 1.4e-141; 0; Mismatches 15;
                                                                                                                                                                                                                                                                                                  Yamamoto, K. and Kurimoto
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TITLE
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ACCESSION
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                                                                                                                                        FEATURES
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Query Match
Best Local Similarity
                                                                                                                        source
                                                                                                                                                   Ushio, S., Nukata, Y., Yamamoto, K. and Kurimoto, M.
Polypeptide and utilization thereof
Patent: JP 2001178479-A 4 03-JUL-2001;
L Patent: JP 2001178479-A 4 03-JUL-2001;
HAYASHIBARA BICCHEMICAL LABORATORIES INC DIRECTOR GEN
NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND
OS Homo sapiens (human)
PN JP 2001179479-A/4
PD 03-JUL-2001 JP 2000312761
PD 13-OCT-2000 JP 2000312761
PD SHINPEI USHIO, YOSHIYUKI NUKATA, KOZO YAMAMOTO, MAS
PC C12N15/09, A61K38/00, A61K39/395, A61K39/395, A61F37
PC C07K14/545,
PC C07K14/715, C07K16/24, C12N1/21, C12P21/02, C12P21/02
PC (C12P21/02, C12R1:19) (C12P21/02, C12R1:91), C12N15
PC (C12P21/02, C12R1:19) Location/Qualifiers
FT source 1.847
/organism='Homo sapiens (human)'
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BD014862
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1 (bases 1 to 847)
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                                                                                                                                                                                                                                                                           13-OCT-2000 JP 2000312761
SHINPEI USHIO, YOSHIYUKI NUKATA, KOZO YAMAMOTO, MASASHI KURIMOTO C12N15/09, A61K38/00, A61K39/395, A61K39/395, A61P37/00, A61P43/00,
                                                                                                                                   /organism='Homo
Location/Qualifiers
                                                              /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
                                                                                                                        . 847
79.5%;
97.2%;
Score 517; DB 6;
Pred. No. 1.4e-141;
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TITLE
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                                                                                                                                                                                                                                                                                                                                                 Sequence 6
AX133936
AX133936.1
                                                                                                                                                                                               Ushio, S., Nukada, Y., Yamamoto, K. and K
Polypeptide and uses thereof
Patent: EP 1092773-A 6 18-APR-2001;
KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU
                                                                                                                                                                                                                                                                                                     Homo sapiens (human)
                                                                                                                                                                                                                                                                                        Eukaryota;
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            /translation="msfvgensgvkmgsedwekdepqccledpavsplepgpslpamn
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                                                                                                             /organism="Homo sapiens"
/mol type="unassigned DNI
/db_xref="taxon:9606"
121. .777
                                                      /codon_start=1
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/db_xref="GI:14139878"
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Eutheria;
/GSWNMLESAAHPGWFICTSCNCNEPVGVTDKFENRKHIEFSFQPVCKAEMSPSEVSD
                                                                                                note="unnamed protein product"
                                                                                                                                                                                    ocation/Qualifiers
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from Patent EP1092773.
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Primates;
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Best Local Similarity
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       Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eut
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Ho
B 1 (bases 1 to 855)
S Ushio,S., Nukata,Y., Yamamoto,K. and Kurimoto,M.
Polypeptide and utilization thereof
Patent: JP 2001178479-A 5 03-JUL-2001;
HAYASHIBARA BICCHEMICIAL LABORATORIES INC DIRECTOR GENER
NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND
OS Homo sapiens (human)
PN JP 2001178479-A/5
PD 03-JUL-2001
PF 13-OCT-2000 JP 2000312761
PF C12N15/09,A61K38/00,A61K39/395,A61K39/395,A61P37/0
PC C17K14/545,
PC C07K14/715,C07K16/24,C12N1/21,C12P21/02,C12P21/02/
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03-JUL-2001
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13-CCT-2000 JP 2000312761
SHINDEI USHIO, YOSHIYUKI NUKATA, KOZO YAMAMOTO, MASASHI KURIMOTO C12N15/09, A61K38/00, A61K39/395, A61K39/395, A61P37/00, A61P43/00, C07K14/545, C07K16/24, C12N1/21, C12P21/02, C12P21/02//C12P21/08,
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                                                                                                                                                                                                                       Protein belonging to IL-1family.
BD017454
         Protein belonging to IL-1family Patent: JP 2001231578-A 2 28-AU KYOWA HAKKO KOGYO CO LTD
                                                                           Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
1 (bases 1 to 1104)
Matsushita,T., Sakakibara,T.,
                                                                                                                                                      Homo sapiens
                                                                                                                                                                                       BD017454.1 GI:22558630 JP 2001231578-A/2.
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Polypeptide and utilization thereof
Key
CDS (121)...(777).
Location/Qualifiers
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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Pred. No. 1.4e-141;
0; Mismatches 15;
                            28-AUG-2001
                                                                              Sekine, S.,
                                                                                                                Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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                                                                                                           GCAATTGTAATGAGCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAAT
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                                                                TTTCATTTCAACCAGTTTGCAAAGCTGAAATGAGCCCCAGTGAGGTCAGCGATTAGGGTA
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A61K37/02,C12N5/00,(C12N5/00,C12R1:91)
Protein belonging to IL-1family
Key Location/Qualifiers
CDS (370)..(1023).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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1 (bases 1 to 787)
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                                                                                                                        CCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGGAA
                                                                                                                                                                                AGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGACAAGGA 338
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                        GCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACC
                                                                              CATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGA
                                                                                                           CCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGGAA
                                                                                                                                                                AGGAAGT CCGATT CT CCTGGGGGT CT CTAAAGGGGAGTTTTGT CT CTACTGTGACAAGGA
                                                     CATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /translation="MSPVGENSGVKMGSEDWEKDEPQCCLEDPAGSPLEPGPSLPTMN FVHTSFVKNLNPKKFSIHDOHKVLYUDSGNLIAVPDKNYIREPIFPALASSLSSAS AEKGSPILLGVSKGEFCLYCDKDKGGSHPSILDLKKEKLMKLAAQKESARAFPIFYFXAG VGSWNMLESAAHPGWFICTSCNCNEPVGVTDKFENRKHIEFSFQPVCKAEMSPSEVSD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /tissue_type="colon carcinoma"
43. .699
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1. .787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /codon_start=1
/product="IL-1X protein"
/protein_id="AAG29344.1"
/db_xref="GI:11093528"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       'note="similar to IL-1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /mol_type="mRNA"
/db_xref="taxon:9606"
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Pred. No. 1.6e-141;
0; Mismatches 7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Submitted (01-NOV-1999) Bone and Cartilage Biology, UW SmithKline Beecham Pharmaceuticals, 709 Swedeland Rd., PA 19406, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 (bases 1 to 793)
Kumar,S., McDonnell,P.C. and Young,P.R.
Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Eukaryota; Metheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 793)

Kumar, S., McDonnell, P.C., Lehr, R., Tierney, L., Tzimas, M.N., Griswold, D.E., Capper, E.A., Tal-Singer, R., Wells, G.I., Doyle, M.L. and Young, P.R.

Identification and initial characterization of four novel members of the interleukin-1 family
J. Biol. Chem. 275 (14), 10308-10314 (2000)
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Homo sapiens interleukin-1 homolog 4 mRNA,
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                              AGGAAGTCCGATTCTCCTGGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGACAAGGA 338
                                                                                                                                            GGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTA 302
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                                                                      CATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAA
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                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                        /product="interleukin-1 homolog 4"
/protein_id="AAF69252.1"
/db_xref="G1:7769120"
/db_xref="G1:7769120"
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/translation="MSFPGENSGVKMGSEDWEKDEPQCCLEDPAGSPLEPGPSLPTMN
FVHTSPKVKMLNPKKFSIHDQDHKVLVLDSGNLIAVPDKNYIRPEIFFALASSLSSAS
AEKGSPILLGVSKGEFCLYCDKDKGQSHPSLQLKKEKLMKLAAQKESARRPFIFYRAQ
VGSWNMLESAAHPGWFICTSCNCNEPVGVTDKFENRKHIEFSFQPVCKAEMSPSEVSD
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                                                                                                                                                                                                                                                                                                                                                                                      /note="encodes caspase cleavage site"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
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98.7%;
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Pred. No. 1.6e-141;
0; Mismatches 7;
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Qy Db	₽ 8	Oy Db	Db VQ	Qy Db	Db Q	Db Qy	Query Ma Best Loo Matches	RESULT 11 AR13757 LOCUS DEFINITION ACCESSION VERSION SOURCE ORGANISM REFERENCE AUTHORS TITLE JOURNAL FEATURES SOURCE ORIGIN	B 8	Db Qy	D Q	Qy Db	
459 CATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCAACCTCCTGCAATTGTAATGA 518	399 CCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCCAGGTGGGCTCCTGGAA 458 	339 TAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAACTGATGAAGCTGGCTG	279 AGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGACAAGGA 338 	219 CATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAA 278	159 GGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTA 218 	99 TCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCA 158 	Query Match 79.5%; Score 516.8; DB 6; Length 802; Best Local Similarity 98.7%; Pred. No. 1.6e-141; Matches 521; Conservative 0; Mismatches 7; Indels 0; Gaps 0;	11 12 13 14 17 18183757 1802 bp DNA linear PAT 20-APR-2002 18183757 18183757 18183757 18183757.1 GI:20227726 5 Unknown. 18M Unknown. 18M Unknown. 18M Unknown. 18M Unclassified. 181 (bases 1 to 802) 18 (bases 1 to 802) 18 McDonnell, P.C. and Young, P.R. Interleukin-1 homologue, IL-1H4 181 182 182 183 184 185 186 186 186 186 186 186 186	579 AGTTTGCAAAGCTGAAATGAGCCCCAGTGAGGTCAGCGATTAGGGTAC 626	03 19	459 CATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGA 518	399 CCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTATAGGGCTCAGGTGGGCTCCTGGAA 458	339 TARANGGACAAAGTCATCCCTTCAGCTGAAGAAGAGAGAAACTGATGAAGCTGGCTG

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Pan,G., Baldwin,D.T. and Zhong,A.W.
Direct Submission
Submitted (03-APR-2000) Endocrinology,
Sounth San Francisco, CA 94080, USA
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      receptor/IL-1Rrp
Cytokine 13 (1), 1-7 (2001)
21066552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pan,G., Risser,P., Mao,W., Baldwin,D.T., Zhong,A.W., Filvaroff Yansura,D., Lewis,L., Eigenbrot,C., Henzel,W.J. and Vandlen,R.IL-1H, an interleukin 1-related protein that binds IL-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    817 bp mRNA linear PRI Homo sapiens interleukin-1-related protein long isoform complete cds; alternatively spliced.
AP251118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                         GGATCACAAAGTACTGGTCCTGGGACTCTGGGAATCTCATAGCAGTTCCCAGATAAAAACTA
                  AGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTTGTCTCTACTGTGACAAGGA 338
                                                                                                                       GGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTA
                                                                                                                                                                                   TGTTCACACAGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCA
                                                                                                                                                                                                   TCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCGGAAGAAATTCAGCATTCATGACCA 158
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                                                             CATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAA
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                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                   /translation="MSFYGENSGYKMGSEDWEKDEPQCCLEDEAGSPLEPGPSLETMN FYHTSSKYKMINPKKFSIHDOHKYLTUDSGNITAVPDKNYIRPEIFFALASSLESAS AEKGSPILLGVSKGEFCLYCDKKGOSHPSLOLKKEKLMALAAQKESAAFPFIFYSAD VGSWNMLESAAHPGWFICTSCNCNEPVGVTDKFENRKHIEFSFQPVCKAEMSPSEVSD
                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note="IL-1H; IL-1 family member; binds IL-18 receptor/IL-1Rrp; putative involvement in inflammation immune responses"
                                                                                                                                                                                                                                                                                                                                                                                               protein_id="AAG14420.1"
/db_xref="GI:10185736"
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                                                                                                                                                                                                                                                                                                                                                                                                                                           codon_start=1
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/db_xref="taxon:9606"
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mol_type="mRNA"
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98.7%;
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Pred. No. 1.6e-141;
0; Mismatches 7;
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Patent: JP 2002533122-A 15 0
GENENTECH INC
OS Homo sapiens (human)
PN JP 2002533122-A/15
PD 08-OCT-2002
PF 22-DEC-1999 JP 200059114
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PC C12N1
C12N5/10,
PC C12P2
CC IL-1
FH Key
FT Sourc
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C3-DEC-1998 US 60/113430,22-JAN-1999 US 60/116843 PR

13-APR-1999 US 60/129122

PI AUDREY GODDARD, JAMES PAN

PC C12N15/09,C07K14/475,C07K16/18,C12N1/15,C12N1/19,C12N1/21,
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JP 2002533122-A/15.
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IL-1 related polypeptides.
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                                                 GGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTA
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                                                                                                                                                                                                                                                          /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                      /organism='Homo
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Primates;
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Pred. No. 1.6e-141;
0; Mismatches 7;
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Matches 521;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM
                                                                                                                                                                                                                                                   source
                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

E 1 (bases 1 to 1600)

IS West, R. R.; Sheppard, P.O. and Gao, Z.
Interleukin-1 homolog ZII1A4

L Pateni: JP 2002528079-A 1 03-SEP-2002;

ZYMOGENETICS INC

OS Homo sapiens (human)
PN D 2002528079-A/1
PD 03-SEP-2002
PF 27-OCT-1998 US 09/179614
PR 27-OCT-1998 US 09/179614
PI ROBERT R WEST, PAUL O SHEPPARD, ZEREN GAO
PC C12N15/09,A61K38/00,A61P37/02,C07K14/545,C12N1/15,C12N1/19, PC
                              159
                                                               186
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                                                                                            99
                                                                                                                                                                                                                                                                                PC C12N5/10,C12P21/02,C12N15/00,C12N5/
Interleukin-1 homolog ZILIA4
FH Key CDS (847)..(1503).
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                                                                                                                                        Similarity
GGATCACAAAGTACTGGTCCTGGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTA 1100
                 GGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTA 218
                                                            TGTTCACACAAGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCA
                                                                                                                                                                                                                                                                                                                                         C12N1/21,
                                                                               TCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCA 158
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                                                                                                                           Conservative
                                                                                                                                                                                                 /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                        79.5%;
                                                                                                                        Score 516.8; DB 6;
Pred. No. 1.7e-141;
0; Mismatches 7;
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VERSION
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SOURCE
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AUTHORS
TITLE
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Best Local Similarity
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PD 02-CCT-2002
PF 14-DEC-1999 UP 2000588357
PR 14-DEC-1999 US 60/112163,10-NOV-1999 US 60/164675 PI
JOHN E SIMS,DIRK E SMITH,TERESA L BORN
PC C12N15/09,C07K14/47,C07K14/715,C07K16/24,C07K16/28,C12N1/15,
PC C12N1/19,
                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Nammalia; Eutheria; Primates; Catarrhini 1 (bases 1 to 579)
Sims,J.E., Smith,D.E. and Born,T.L.
IL-1 zeta, IL-1 zeta splice variants and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens (human)
                                                                                                                                                    332
                                                                                                                                                                                                         PC C12N1/21,C12N5/10,C12P21/02,C12P21/08,C12N15/00,C12N5/00 CC IL-1 zeta, IL-1 zeta splice variants and Xrec2 DNAs and CC
                                                                                                                                                                                                                                                                                                                                                             Patent: JP 2002532094-A 1 02-OCT-2002; IMMUNEX CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JP 2002532094-A/1.
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BD251972
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                                                                                                                                                                                polypeptides
Key
Conservative
                                                                                                                                                                  source
                                                                                                                               /organism='Homo
                                                                      /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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IL-1 zeta splice v
79.4%; Score 516; DB 6; L
100.0%; Pred. No. 2.7e-141;
tive 0; Mismatches 0;
                                                                                                                                                                Location/Qualifiers
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                            Length 579;
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586 AAAGCTGAAATGAGCCCCAGTGAGGTCAGCGATTAG 621
526 GGGGTGACAGATAAATTTGAGAACAGGAAACACAGTTGAAGTTTTCATTTCAACCAGTTTGC 585
GAGTCGGCGGCTCACCCCGGAIGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTT
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CAAAGTCATCCATCCCTTCAGCTGAAGAAGCAGAAACTGATGAAGCTGGCTG
CCGATTCTCCTGGGGGTCTCTAAAGGGAGTTTTGTCTCTACTGTGACAAGGATAAAGGA CLALICATTCTCCTGGGGGTCTCTAAAGGGAGATTTTGTCTCTACTGTGACAAGGATAAAGGA CCAATTCTCCTGGGGGTCTCTAAAGGGAGATTTTGTCTCTACTGTGACAAGGATAAAGGA CAAAGTCATCCATCCCTTCAGCTGAAAGGAGAAACTGATGAAGCTGGCTG
CCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAAAGAA
AAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTACCATACGC

Search completed: May 28, 2005, 16:28:51 Job time: 3012 secs

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Maximum Match 100%
Listing first 45 summaries
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650
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

20	19	18	17	16	15	14	13	12	11	10	9	80	7	σ	G	4	ω	N		No.	Result	
513.6	514	514.2	515	515.2	515.2	515.2	515.2	516	516	516.8	516.8	516.8	516.8	516.8	516.8	517	517	528.2	650	Score		
79.0	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	81.3	100.0	Match	Ouery	F
630	594	626	657	657	657	657	657	579	579	1600	1600	839	802	802	793	1104	847	1006	650	Match Length		
σ	w	w	w	12	12	12	ω	12	w	10	w	w	4	w	12	4	4.	w	ω	В		
AAC84317	AAA27921	AAA51601	AAA27920	ADO04678	ADL15867	ADJ88305	AAA08513	ADN05879	AAA27918	ADH89066	AAD00210	AAA51604	AAF84120	AAC66727	ADN05011	AAI71179	AAC85680	AAA51591	AAA51592	ID		SUMMARIES
Aac84317 Human EXC		Aaa51601 Human IL-	Aaa27920 Human int	Ado04678 Human int	Adl15867 Human int	Adj88305 Human int	Aaa08513 Primate i	Adn05879 Antipsori	Aaa27918 Human int	Adh89066 DNA encod		Aaa51604 Human IL-	Aaf84120 Interleuk	Aac66727 Human int	Adn05011 Antipsori	Aai71179 Human int	Aac85680 cDNA enco	Aaa51591 Human IL-	Aaa51592 Human IL-	Description		

45	44	43	42	41	40	39	38	37	36	35	<u>ن</u> 4	33	32	31	30	29	28	27	26	25	24	23	22	21
505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505.8	505,8	505.8	505.8	510.4	510.4	510.4	510.4	510.4	513	513	513.6
77.8	77.8	77.8	•		•	•		77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.5	78.5	78.5	78.5	78.5	78.9	78.9	79.0
754	754	754	754	754	754	754	754	754	754	754	754	754	754	754	754	754	1225	1225	1225	1223	1216	657	657	630
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Human	Aca68996 Novel hum	Aca89359 Novel hum	Acd02368 Novel hum	Ach66314 Novel hum	Aca67341 cDNA enco	Aca93767 Human cDN	Acd45219 Human sec	Aca91320 cDNA enco	Aca64056 cDNA enco	Aca58880 cDNA enco	Aca60433 Novel hum	Acd81611 Human cDN	Aca91234 Novel hum	Abs74448 Human cDN	Aaf92128 Human PRO	Aaa51593 Processed	Ado04691 Human int	Adj88303 Human int	Aaa08512 Primate i	Adl15865 Human int	Ado04676 Human int	Adh89074 DNA encod	Aad00212 Human zil	Adl66931 Human ext

ALIGNMENTS

31-OCT-2000 (first entry)

AAA51592;

AAA51592 standard; DNA; 650 BP.

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RRESULT 1
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ID AAA51592
ID AAA51592
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 hIL-1Ra1; human interleukin-1 receptor antagonist-1; IL-11p; osteopathic; interleukin-1-like polypeptide; anti-inflammatory; anti-asthmatic; anti-arthritic; antimicrobial; respiratory; anti-ischemic; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human IL-1R1a fused to heterologous signal sequence.
(GETH ) GENENTECH INC.
                                                           98US-0113430P.
99US-0116843P.
99US-0129122P.
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/note= "Encodes linker peptide"
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Matches
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          An isolated nucleic acid molecule encoding an interleukin-1-like polypeptide (IL-1lp) that retains one or more activities of the peptide from which it is derived, such as the IL-18R binding activity of a humar interleukin-1 receptor antagonist-1 (bIL-1Ra1) polypeptide, is new. The nucleic acids may be used in molecular engineering applications, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acids encoding interleukin-1-like polypeptides, useful for preventing and treating e.g. inflammation, asthma and psoriasis.
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                                                                                 CCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGGGGTGACAGATAAA
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Pred. No. 5.3e-203;
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       An isolated nucleic acid molecule encoding an interleukin-1-like polypeptide (II-llp) that retains one or more activities of the peptide from which it is derived, such as the II-18x binding activity of a human interleukin-1 receptor antagonist-1 (HII-Ral) polypeptide, is new. The nucleic acids may be used in molecular engineering applications, e.g. hybridization assays and chromosome and gene mapping studies, for recombinantly producing the II-llp polypeptide or for producing gene knock out animals to study the role of the protein in metabolism and disease processes (conversely, gene therapy protocols may be used to supplement a patients production of the polypeptide or to rectify mutations that lead to the production of in active peptides). The peptides produced may be used to screen for and produce modulators (e.g. antibodies) of II-llp protein expression and activity which may be use to treat disorders associated with inappropriate II-llp expression and activity, such as inflammatory disorders, asthma, arthritis,
                                                                                                                                                                                                                                                                                                                                                                                                                                23-DEC-1998;
22-JAN-1999;
13-APR-1999;
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                                                                                                                                                                                                                                                                                    Nucleic acids encoding interleukin-1-like polypeptides, useful for preventing and treating e.g. inflammation, asthma and psoriasis.
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                                                                                                                                                                                                                                                                               preventing and treating e.g. inflammation,
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Best Local Similarity
            11-OCT-2000;
                                   18-APR-2001.
                                                                                                                                                                  Interleukin-1-related polypeptide; HPB-MLT cell; T-cell; inhibition;
natural killer activity; immune system; gene therapy; immunodeficiency;
                                                                                                                                                                                                     cDNA encoding
                                                        EP1092773-A2
                                                                                                                                                                                                                                                                       AAC85680 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                            TGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GCTGCCCAAAAAGGAATCAGCACGCCGGCCCTTCATCTTTATAGGGCTCAGGTGGGCTCC
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ilarity 99.4%;
Conservative
              2000EP-00308948
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                                                                                                                                                                                                     IL-1 related substance.
                                                                             /*tag= a
/product=
                                                                                                  Location/Qualifiers
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                                                                             "IL-related substance"
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                                                                                                                                                                                                                                                                       ВP
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DB; AAB47186.
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This sequence encodes an interleukin-1 (IL-1)-related polypeptide. IL-1 related polypeptide was isolated from HPB-MLT cells, FERM-BP-2430, an established human T-cell line. It related polypeptide is useful for inhibiting natural killer (NK) activity, which is related to the immune system of mammals. The DNA encoding the IL-1 related polypeptide is useful in gene therapy of patients in need of NK activity inhibition and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New human interleukin-1-related polypeptide and polynucleotide, useful for gene therapy and in developing drugs as regulators of natural killactivity, are capable of inhibiting natural killer activity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 847 BP; 244 A; 210 C; 202 G; 191 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15-OCT-1999;
                                                                                                                                                                           TTTCATTTCAACCAGTTTGCAAAGCTGAAATGAGCCCCCAGTGAGGTCAGCGATTAGGAAA
                              TTTCATTTCAACCAGTTTGCAAAGCTGAAATGAGCCCCAGTGAGGTCAGCGATTAGGGTA 625
                                                                                         GCAATTGTAATGAGCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAAT
                                                                                                                   GCAATTGTAATGAGCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAAT
                                                                                                                                                                                                                                                                       TGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGG
                                                                                                                                                                                                                                                                                                                  TGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCCGGCCCTTCATCTTTTATAGGGCTCAGG
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Pred. No. 4e-159;
0; Mismatches 15
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Best Local Sim
Matches 526;
                                                                                                                                                                                                                                                                                                                                                                                                                      The present sequence encodes a human interleukin 1 (IL-1) family protein having a combining affinity to a receptor of a protein of human IL-1 family higher than Tango-77. The protein is useful for the development of diagnostic, treating and/or preventive agents for various diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo
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P-PSDB; AAG68116.
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identification; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 2; Page 31-32; 38pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               treatment
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                                                                                                                        ACTGTGACAAGGATAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAACTGA
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TGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCT
                TGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCT
                                               TGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGG
                                                           TGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGG
                                                                                               ACTGTGACAAGGATAAAGGACAAAGTCATCCCTTCAGCTGAAGAAGGAGAAACTGA
                                                                                                                                                                       CCTCTGCGGAGAAAGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTCT
                                                                                                                                                                                                 CAGATAAAAACTACATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAG
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370. .1026
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97.2%;
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                                                                                                                                                                                                                                                                                                                                               Score 517; DB 4; 1
Pred. No. 4.6e-159;
0; Mismatches 15;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bodary
Wu TD;
                                                                                                                                                                                                                                                                                                                                                                                      Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New PRO nucleic acid or polypeptide, useful for preparing a pharmaceutical composition for diagnosing or treating psoriasis in
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The present sequence is the coding sequence for human interleukin-1 homologue (IL-1H4). IL-1H4 is useful for treating conditions such as chronic and acute inflammation, septicaemia, autoimmune diseases (e.g. inflammatory bowel disease, psoriasis, and arthritis), transplant rejection, graft versus host disease, infection, stroke, ischaemia, acute respiratory disease, allergies, asthma, restenosis, brain injury, AIDS, cancer, congestive heart failure,
                                                                                                                                              Interleukin-1 homolog useful for treating conditions such as chronic acute inflammation, septicemia, autoimmune diseases ischemia, acute respiratory disease, allergies, and asthma.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          polypeptide. The IL-1H4 polypeptide can be expressed by standard recombinant methodology. The IL-1H4 polypeptide polypuctide, substandard modulators are useful for treating chronic and acute inflammation, septicemia, autoimmune diseases (e.g., inflammatory bowel disease, psoriasis and arthritis), transplant rejection, graft versus host disease, atthem, restenosts, brain injury, AIDS, bone diseases syndrome, allergies, aethma, restenosts, brain injury, AIDS, bone diseases (e.g., osteoporosis), cancer (e.g., lymphoproliferative disorders), congestive heart failure, atherosclerosis and Alzheimer's disease. The IL-1H4 polynucleotides are useful as diagnostic reagents and for chromosome identification. The present sequence represents the cDNA encoding the IL-1H4 polypeptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel Interleukin-1 homolog, IL-1H4, for treating chronic and acute inflammation, septicemia, autoimmune diseases, transplant rejection, graft versus host disease, stroke, ischemia, allergy and asthma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
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GCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACC
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Pred. No. 4.5e-159;
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                                                  An isolated nucleic acid molecule encoding an interleukin-1-like polypeptide (II-11p) that retains one or more activities of the peptide (From which it is derived, such as the II-18R binding activity of a human interleukin-1 receptor antagonist-1 (hII-1Ral) polypeptide, is new. The nucleic acids may be used in molecular engineering applications, e.g. hybridization assays and chromosome and gene mapping studies, for recombinantly producing the II-11p polypeptide or for producing gene composition of the producing gene the production of the protein in metabolism and disease processes (conversely, gene therapy protocols may be used to supplement a patients production of the polypeptide or to rectify mutations that lead to the production of in active peptides). The peptides produced may be used to screen for and produce modulators (e.g. antibodies) of II-11p protein expression and activity, which may be use to treat disorders associated with inappropriate II-11p expression and activity, such as inflammatory disorders, asthma, arthritis, espisis, acute lung injury, adult respiratory discress syndrome, idiopathic pulmonary fibrosis, ischemic reperfusion disease, psoriasis, graft versus host disease and/or inflammatory bowel disease
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22-JAN-1999;
13-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 7; Fig 19; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acids encoding interleukin-1-like polypeptides, useful f preventing and treating e.g. inflammation, asthma and psoriasis.
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                                                                                                                                                                                                                                                                                                                                                                                             anti-arthritic; anti-psoriatic; antibacterial; immunosuppressive; anti-anaemic; neuroprotective; vasotropic; anti-human immunodeficiency virus; HIV; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human interleukin-1; II-1; zilla4 protein; inflammation; arthritis; psoriasis; septic shock; graft-versus-host disease; leukaemia; cancer; anaemia; inflammatory bowel disease; acute neuropathology; shock; chronic neuropathology; respiratory disease syndrome; restenosis; chronic neuropathology; respiratory disease syndrome; restenosis; acquired immune deficiency syndrome; AIDS; antiinflammatory; cytostatic; acquired immune deficiency syndrome; AIDS; antiinflammatory;
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27-OCT-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present cDNA sequence encodes human interleukin (IL)-1 homolog zilla4 protein. This CDNA was cloned from a human foetal lung cDNA library. The zilla4 proteins modulate inflammation and other immunological processes and are therefore useful for treatment of arthritis, psoriasis, septic shock, graft-versus-host disease and leukaemia. Other diseases that may be modulated by zilla4 proteins include cancer, anaemia, inflammatory bowel disease, acute and chronic neuropathologies, shock, respiratory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1600 BP; 481 A; 356 C; 378 G; 385 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Immunomodulatory interleukin-1 homolog zilla4 proteins, useful for treatment of e.g. arthritis, psoriasis, septic shock, graft-versus-host disease, leukemia.
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P-PSDB; AAY70927.
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Pred. No. 6.6e-159;
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                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to the isolation of human interleukin-1 (1-1) homologues designated zilla4, and the polynucleotide sequences that encode them. The gene encoding human zilla4 is located on chromosome 2. Also disclosed is a method of making these proteins and a method of modulating an immune response. The proteins are useful for treating diseases such as inflammatory diseases, cancer, and anaemia. The present
                                                                                                                                                                                                                                                                                                                                                                                                modulating an immune response. The prote diseases such as inflammatory diseases, sequence encodes human zilla4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New interleukin-1 homolog Zilla4 protein, useful for modulating an immune response and for treating diseases, e.g., inflammatory diseases, cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   P-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           West RR,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cytostatic; antianaemic; chromosome 2; gene; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA encoding human zilla4 polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            inflammatory disease; cancer; anaemia; immunomodulator; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ( OMYZ)
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                                                                                                                                                         CATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAA
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                                                                                                                                                                                                                                                                                                                                                                      1600 BP;
CCAAAAGGAATCAGCACGCCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGGAA
                                                                                  AGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGACAAGGA
                                                                                                  AGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTTGTCTCTACTGTGACAAGGA
                                                                                                                                          CATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAA
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                                                     Sheppard PO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQ ID NO 1; 44pp; English.
                                                                                                                                                                                                                                                                                                            79.5%; ilarity 98.7%; Conservative
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99US-00428118.
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847. .1503
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                                                                                                                                                                                                                                                                                                              Score 516.8; DB 10;
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The present sequence is that of the coding region of cDNA encoding human CC interleukin-1 zeta (IL-1 zeta, see AAY95297), a member of the IL-1 C family. The sequence was deduced from EST IMAGE clone 16287g1, which ce encodes a partial open reading frame, and from additional sequences compared from PCR and 5' RACE reactions. IL-1 zeta mRNA is sepressed most strongly in the testis, prostate, colon, brain, placenta, lung, foetal liver and color the testis, prostate, colon, brain, placenta, lung, foetal liver and color zeta, IL-1 zeta splice variants and Xrec2 polypeptides (see AAY95297-CC 1 zeta, IL-1 zeta splice variants and Xrec2 polypeptides (see AAY95297-CC 1), the nucleic acids (see AAA27918-22) encoding such polypeptides, and their uses. IL-1 zeta nucleic acids are used to: to express IL-1 zeta color from the IL-1 ligand family; to identify nucleic acids encoding proteins of conformations associated with diseases, syndromes, or conditions associated with chromosome 2; to map genes or cother conditions associated with chromosome 2, such as glaucoma, conditions, arinkly skin syndrome, T-cell leukaemia or lymphoma, and tibial muscular dystrophy; as single-stranded sense or antisense oligonucleotides to inhibit expression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Isolated interleukin-1 (IL-1) zeta nucleic acids and splice variants TDZ1, TDZ2, TDZ3 and their encoding proteins, useful as probes for identifying genes associated with diseases such as glaucoma, and insulindependent diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  glaucoma; ectodermal dysplasia; wrinkly skin syndrome; insulin-dependent diabetes mellitus; leukaemia; lympho
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1(a); Page 8; 87pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P-PSDB; AAY95297.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-DEC-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (IMMV ) IMMUNEX CORP
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              Bodary S,
Wu TD;
                                                                                                                                                                                                       ds; gene; antipsoriatic; gene therapy; psoriasis; diagnosis.
                                                                                                                                                                                                                                                                                                            ADN05879 standard; cDNA; 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            of IL-1 zeta polypeptides; to help detect defective genes in individual; and for gene therapy
                                                                            25-SEP-2002; 2002US-0414006P
                                                                                                    25-SEP-2003; 2003WO-US030907
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                         Clark H,
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100.0%; Pred. No. 6.9e-159;
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Best Local Similarity
Matches 516; Conserv
                        Primate; interleukin-1 like; IL-1-zeta; hypoglycemia; plasma iron; plasma zinc; plasma copper; ss.
                                                                                    Primate interleukin-1 like (IL-1-zeta) alternative coding sequence.
                                                                                                                                                                           AAA08513 standard; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 579 BP; 173 A; 129 C; 146 G; 131 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to novel polynucleotide and polypeptides for treating psoriasis or a sequence having at least 80% identity to the above sequences. The nucleic acid is useful for preparing a composition for diagnosing or treating psoriasis in a mammal. This sequence corresponds to one of the polynucleotides of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-305105/28.
P-PSDB; ADN05880.
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                                                                                                                                                                                                                                                                               AAAGCTGAAATGAGCCCCCAGTGAGGTCAGCGATTAG 621
                                                                                                                                                                                                                                                                                                            GGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACCAGTTTGC
                                                                                                                                                                                                                                                                                                                                        GGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACCAGTTTGC
                                                                                                                                                                                                                                                                                                                                                                                                    GAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTT
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                                                                                                                 (first entry)
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Pred. No. 6.9e-159;
0; Mismatches 0;
                                          systemic inflammation;
acute liver response;
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Best Local Similarity
Matches 523; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present sequence encodes a primate interleukin-1 like molecule, designated II-1-zeta. It is an alternative sequence to AAA08512, perhaps an allelic variant. The specification claims an isolated or recombinant polypeptide that: (a) specifically binds polyclonal antibodies generated against at least a 12 consecutive amino acid segment of II-1-zeta (see AAY91884) or its allelic variant (see AAY91885); and (b) comprises at least one sequence selected from: AAY91886-903 or AAY91904-06. The preferred 12 consecutive amino acid segment is chosen from AAY91907-18 or AAY91919-21. II-1-zeta is likely to play a role in systemic inflammatory reactions, such as fever, hypoglycemia, reduced plasma iron and zinc, the acute response of the liver, and increase plasma copper. II-1-zeta binding compounds (comprising antigen binding sites) and II-1-zeta polypeptides are also useful for both diagnostic and therapeutic purposes
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P-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 102-103; 110pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mammalian interleukin 1 like molecule, designated II-1-zeta, useful diagnostic and therapeutic purposes, comprises a 128 amino acid
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                                                                                                                                                                                                                                              ACTGTGACAAGGATAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAACTGA 385
                                                                                                                                                                                                                                                                                                                                                    CAGATAAAAACTACATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAG
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GCAATTGTAATGAGCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAAT
                     GCAATTGTAATGAGCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAAT
                                                                     TGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCT
                                                                                                    TGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCT
                                                                                                                                        TGAAGCTGGCTGCCCAAAAGGAATCAGCACGCCCGGCCCTTCATCTTTTATAGGGCTCAGG
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                                                                                                                                                                                                             ACTGTGACAAGGATAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAACTGA
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97.6%;
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Pred. No. 1.4e-158;
0; Mismatches 13;
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Best Local S
Matches 523
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to an isolated or recombinant nucleic acid encoding interleukin-lzeta polypeptide. The invention is useful in gene therapy. The composition and methods are useful in diagnosing or treating degenerative or abnormal conditions which directly or indirectly involve development, differentiation or function, e.g. of the immune system and/or haematopoietic cells. The invention may also be used for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                          Sequence 657 BP; 184 A; 158 C; 166 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1;
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                                                                                                                                                                                                                                                                                                                                                                                            preventing or treating other diseases or disorders associated with abnormal expression or triggering of response to the interleukin, sinflammatory disorders, infection, allergies or cancer. The present sequence is human interleukin-lzeta DNA variant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SCHE ) SCHERING
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                                   GCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTC
                                                                                                           CCGCCATGAATTTTGTTCACACACACTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCA
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GCATTCATGACCAGGATCACAAAGTACTGGTCCTGGGACTCTGGGAATCTCATAGCAGTTC
                                                                                                                                                             CCGCGAATTCAGCTCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCCGAAGAAATTCA
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                                                                                                                                                                                                                            Conservative
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                                                                                                                                                                                                                                                   79.3%;
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Pred. No. 1.4e-158;
0; Mismatches 13;
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                                                                                                       Novel isolated or recombinant interleukin 1 zeta polypeptide useful immmunogen for producing specific antibodies or for developing anti-
                                                                                                                                                                                          WPI; 2004-304623/28.
P-PSDB; ADL15868.
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17-SEP-1999;
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antisera production; antibody production; anti-inflammatory; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human interleukin 1 zeta (IL-1zeta) cDNA seqid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-JUL-2004
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99US-00398412.
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/product= "IL-1 zeta"
/note= "Interleukin 1 zeta"
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1. .657
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 79.3%;
Best Local Similarity 97.6%;
Matches 523; Conservative
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                                                                                               GCAATTGTAATGAGCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAAT
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                                                                                                                                                             TGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCT
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Pred. No. 1.4e-158;
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Search completed: May 28, 2005, Job time: 436 secs 15:38:30

Claim

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English

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Title:
Perfect score:
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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     Issued_Patents_NA:*

| Cogn2_6/ptodata/1/ina/5A_COMB.seq:*
| Cogn2_6/ptodata/1/ina/5B_COMB.seq:*
| Cogn2_6/ptodata/1/ina/6A_COMB.seq:*
| Cogn2_6/ptodata/1/ina/6A_COMB.seq:*
| Cogn2_6/ptodata/1/ina/FUTUS_COMB.seq:*
| Cogn2_6/ptodata/1/ina/backfiles1.seq:*
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APPLICANT: McDonnell, Peter C
ITILE OF INVENTION: INTERLEUKIN-1 HOMOLOGUE, IL
FILE REFERENCE: GP-70607
CURRENT APPLICATION NUMBER: US/09/293,625
CURRENT FILING DATE: 1999-04-16
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
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; TYPE: DNA
; ORGANISM: Homo s
US-09-293-625-1
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52 8.0 52 3 US 52 8.0 52 4 US 51.2 7.9 1183 2 US 51.2 7.9 1183 3 US 51.2 7.9 1183 3 US 51.2 7.9 1183 3 US 49.4 7.6 53 3 US 49.4 7.6 53 4 US 49.4 7.6 53 4 US 49.4 7.4 50 3 US 48.4 7.4 50 3 US 48.4 7.4 50 3 US 48.6 7.1 477 4 US 45 6.9 802 3 US 43.4 6.7 301 3 US
8.0 52 3 US 8.0 52 4 US 7.9 1183 2 US 7.9 1183 3 US 7.6 53 4 US 7.4 50 3 US 7.4 50 3 US 7.4 50 4 US 7.4 50 4 US 7.4 50 4 US 7.4 50 3 US 7.4 50 3 US 7.4 50 4 US
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3 US-09-260-038B-11 3 US-09-487-716A-11 4 US-09-487-716A-11 2 US-09-69-619-1 3 US-09-69-619-1 3 US-09-494-018-1 3 US-09-494-018-1 3 US-09-493-100 4 US-09-487-716A-10 4 US-09-487-716A-12 4 US-09-976-472A-1 3 US-09-976-472A-1 4 US-09-970-033-12 4 US-09-487-716A-12 4 US-09-487-716A-12 5 US-09-970-033-12 4 US-09-487-716A-12 5 US-09-487-716A-12 6 US-09-970-033-12 7 US-09-970-033-12 7 US-09-990-016-2899 8 US-09-936-642-2
US-09-260-038B-11 US-09-45-923-11 US-09-487-716A-11 US-09-487-716A-11 US-09-69-619-1 US-09-494-01B-1 US-09-494-01B-1 US-09-260-038B-10 US-09-267-716A-10 US-09-976-472A-1 US-09-976-472A-1 US-09-976-472A-1 US-09-976-473-7 US-09-976-93-12

ALIGNMENTS

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Patent No. 6680380
GENERAL INFORMATION:
APPLICANT: Timans, Jacqueline C.
TITLE OF INVENTION: Nucleic acids encoding mammalian interleukin-1zeta, related reage
TITLE OF INVENTION: methods
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 3
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ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(654)
OTHER INFORMATION:
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CURRENT FILING DATE: 1999-09-17
PRIOR APPLICATION NUMBER: US 60/100948
PRIOR FILING DATE: 1998-09-18
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TTTCATTTCAACCAGTTTTGCAAAGCTGAAATGAGCCCCAGTGAGGTCAGCGATTAG
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Pred. No. 1.9e-151;
0; Mismatches 13;
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CURRENT APPLICATION NUMBER: US/09/398,412B
CURRENT FILLING DATE: 1999-09-17
PRIOR APPLICATION NUMBER: US 60/100948
PRIOR FILLING DATE: 1998-09-18
PRIOR FILLING DATE: 1998-09-18
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin version 3.1
SEQ ID NO 1
LENGTH: 1225
TYPE: DNA
ORGANISM: Homo sapiens
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APPLICANT: Timans, Jacqueline
TITLE OF INVENTION: Nucleic ac
TITLE OF INVENTION: methods
FILE REFERENCE: DX0904K
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Patent No. 6680380
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LOCATION: (491)..(1144)
OTHER INFORMATION:
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                                                                                                                                                          CATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGA 518
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                                 AGTTTGCAAAGCTGAAATGAGCCCCAGTGAGGTCAGCGATTAGGGTAC 626
                                                                   GCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACC
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97.9%;
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Pred. No. 8.1e-150;
0; Mismatches 11;
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US-09-128-155-1 US-09-128-155-1 ; Sequence 1, Application US/09128155 ; Patent No. 6117654

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GENERAL INFORMATION:

APPLICANT: Pan, Yang
TITLE OF INVENTION: MOVEL MOLECULES OF TANGO
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FASTSEQ for Windows Version 3.0
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US-09-128-155-10
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; LOCATION: (356)...(889)
US-09-128-155-1
          GENERAL INFORMATION:
APPLICANT: PAIN, YANG
TITLE OF INVENTION: MOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER FILING DATE: 1998-07-02
EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                           Sequence 10, Application US/09128155 Patent No. 6117654
SEQ ID
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Best Local Similarity
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ORGANISM: Homo :
FEATURE:
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97.6%;
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Pred. No. 3e-114;
0; Mismatches 1
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APPLICANT: PAI, YANG
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FASUSEQ for Windows Version 3.0
SEQ ID NO 6
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; NAME/KEY: CDS
; LOCATION: (1)...(408)
US-09-128-155-10
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                                                       Matches
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                                                                Query Match
Best Local Similarity
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Best Local :
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                                                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
                                                                                                                                       NAME/KEY: CDS
LOCATION: (1)...(501)
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TYPE: DNA
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397; Conservative
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                                                                   60.3%;
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Pred. No. 6.3e-113;
0; Mismatches 8;
                                                 Score 392.2; DB 3;
Pred. No. 6.9e-113;
0; Mismatches 8;
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CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOPTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 3
LENGTH: 534
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; ORGANISM: Homo
US-09-128-155-3
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APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sequence 3, Application US/09128155
Patent No. 6117654
                                                                        310
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                                                                                                                                                                                                                                       274 GAGAAAGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGAC
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 TGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGT 513
                                                                                                 GCTGCCCAAAAGGAATCAGCACGCCGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCC
                                                                                                                                                                                                                                                                                                                AACTACATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCG
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                                                                                                                                               AAGGATAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAACTGATGAAGCTG
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                                                                        GCTGCCCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGT
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nilarity 98.0%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                               Score 392.2; DB 3; Pred. No. 7.1e-113; 0; Mismatches 8;
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                                                                                                                                                                                                                                                                                                                                                                                                 Length 534;
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; Sequence 1, Application US/08330638D; Patent No. 5731425; GENERAL INFORMATION:
; APPLICANT: Brizzard, Billy APPLICANT: Bianca, Darlene; APPLICANT: Chubet, Richard; APPLICANT: Vizard, Douglas; APPLICANT: Hopp, Thomas; TITLE OF INVENTION: POLYPEPTIDE SU
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US-08-330-638D-1 RESULT 9

SURFACE

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GENERAL INFORMATION:
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 REI
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER FILING DATE: 1998-07-02
EARLIER FILING DATE: 1998-07-02
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 3.0
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US-09-128-155-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17, Application Patent No. 6117654
                                                                                                                                                                                                                                                                                                                                          Matches 254;
                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(176373)
OTHER INFORMATION: n = A,
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   159197
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                                                                                           GGAAACACATTGAATTTTCATTTCAACCAGTTTGCAAAGCTGAAATGAGCCCCAGTGAGG 610
                                                                                                                                                                                                                                      TTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGT 490
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                                                                                                                                                              TCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGGGGTGACAGATAAATTTGAGAACA
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TCAGCGATTAGGAAAC 159212
                                 TCAGCGATTAGGGTAC
                                                                  GGAAACACATTGAATTTTCATTTCAACCAGTTTGCAAAGCTGAAATGAGCCCCAGTGAGG
                                                                                                                                     TCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGGGGTGACAGATAAATTTGAGAACA
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                                                                                                                                                                                                                                                                                                                                          Conservative
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Pred. No. 7.5e-68;
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                                                                                         US-08-906-746A-1
                                                                                                      RESULT 10
                                                                                                                                                                                                                                                                          Matches
                                                                                                                                                                                                                                                                                      Query Match
Best Local (
                                                          Sequence 1, Application US/08906746A Patent No. 5945292
                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: (716) 588-24
TELEFAX: (716) 477-4646
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/33
FILING DATE: 28 OCT 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA: NONE
ATTORNEY/AGENT INFORMATION:
NAME: Kiernan, Anne B.
 APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
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LENGTH: 204 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: DOUBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 71
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 588 2405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch,
MEDIUM TYPE: 1.44 MB storage, (Hewlett Packard)
                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       IMMEDIATE SOURCE: FEATURE: SECRETION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
HYPOTHETICAL:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Kiernan, Anne B. REGISTRATION NUMBER: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: HP Vectra
OPERATING SYSTEM: MS-DOS Version 6.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: WORD FOR WINDOWS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Rochester
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69; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOURCE: SYNTHETICALLY PREPARED SECRETION LEADER SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          LOCATION:
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Brizzard, Billy L.
Bianca, Darlene W.
Chubert, Richard G.
                                                                                                                                                                                                                                                                       10.6%; Score 69; DB llarity 100.0%; Pred. No. 1... Conservative 0; Mismatches
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Patent Legal Staff
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                                                                                                                                                                                                                                                                                                     DB 1;
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                                                                                                                                                 Matches
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 204 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:

NAME: Stone, Paul A.

REGISTRATION NUMBER: 38,628

REFERENCE/DOCKET NUMBER: 5GM

TELECOMMUNICATION INFORMATION:

TELEPHONE: 314-231-5400
                                                                                                                                                                                                                                   OTHER INFORMATION: /product= "Transmembrane SFEATURE:
NAME/KEY: misc_feature
LOCATION: 196._204
OTHER INFORMATION: /product= "Anchor Segment"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOPTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/906,746A
FILING DATE: 06-AUG-1997
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
HYPOTHETICAL:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
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LOCATION: 46..69
OTHER INFORMATION: /function= "Cell Marker Segment"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc feature
LOCATION: 1..45
OTHER INFORMATION: /function=
OTHER INFORMATION: Sequence"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 204 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                                                                                                                      NAME/KEY: misc_feature
LOCATION: 133..195
                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY:
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 61 GACGACAAG 69
                                    70 GACGACAAG 78
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                                                                                                                                                 69;
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                                                                         ATGTCTGCACTTCTGATCCTAGCTCTTGTTGGAGCTGCAGTTGCTGACTACAAAGACGAT
                                                                                           ATGTCTGCACTTCTGATCCTAGCTCTTGTTGGAGCTGCAGTTGCTGACTACAAAGACGAT 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Missouri
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                                                                                                                                               10.6%; Score 69; DB 2; llarity 100.0%; Pred. No. 1.4e-1 Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                            /function= "Spacer Segment"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SGM 6874
                                                                                                                                                                                                                                                                                                                    "Transmembrane Segment"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 "Secretion Leader
                                                                                                                                                                   1.4e-11;
                                                                                                                                                                                Length 204;
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                                                                                                 RESULT 12
US-09-077-955-35
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US-08-644-271-31
              Sequence 35, Application US/09077955A
Patent No. 6413740
GENERAL INFORMATION:
APPLICANT: Valenzuela et al., David M.
TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS AND LIGANDS
                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
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GENERAL INFORMATION:
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FILE REFERENCE: REG195-B-PCT-US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
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LENGTH: 1479 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/OFFILING DATE: 10-MAY-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN
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SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: Human Agrin LOCATION: 1...1479 OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: Coding Sequence LOCATION: 1...1476 OTHER INFORMATION: NAME/KEY: Human Agrin
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REGISTRATION NUMBER: 36,108
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                                                                                                                                                                          GACGACAAG
                                                                                                                                                                                                            GACGACAAG 78
                                                                                                                                                                                                                                               ATGTCTGCACTTCTGATCCTAGCTCTTGTTGGAGCTGCAGTTGCTGACTACAAAGACGAT 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Valenzuela, et al.
VENTION: NOVEL TYROSINE KINASE RECEPTORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         USA
                                                                                                                                                                                                                                                                                                                  Conservative
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100.0%; Pr
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Pred. No. 3.8e-11;
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Patent No. 5270458
GENERAL INFORMATION:
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EARLIER FILING DATE: 1996-05-10
EARLIER APPLICATION NUMBER: 60/008,657
EARLIER FILING DATE: 1995-12-15
NUMBER OF SEQ ID NOS: 36
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EARLIER FILING DATE: 1996-12-13
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TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US 07/906,397 FILING DATE: 26-JUN-1992 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 19921119
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US UNASSIGNED
FILING DATE: 12-NOV-1992
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SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                              FILING DATE: 15-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US PORTION NUMBER: U
                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US PFILING DATE: 26-JUN-1992 PRIOR APPLICATION DATA:
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                                             PRIOR APPLICATION DATA:
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                                                                                      FILING DATE:
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STATE: New York
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APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE:
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/ENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ImClone Systems Incorporated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Floppy disk
                                                                                      02-APR-1992
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    US 07/813,593
                                                                                                                                                                                                                                                                                                                                                                US PCT/US92/05401
                                                                                                                                                                                                                                                 TW 81102961
                                                                                                                      US PCT/US92/02750
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FILING DATE: APPLICATION NUMBER:

15-NOV-1991

US 07/793,065

US 07/728,913

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US-08-252-517-7
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US-07-977-451-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Lemischka, Ihor R.
TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO:
                                                                          CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,451
FILING DATE: 19-NOV-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 96 base pairs
TYPE: NUCLEIC ACID
                              FILING DATE: 26-JUN-1992 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
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TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER:
FILING DATE: 02-APR-
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mes 68; Conserv
                                                               APPLICATION NUMBER:
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              APPLICATION NUMBER:
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180 Varick Street
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              US PCT/US92/05401
                                                               US 07/906,397
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Pred. No. 6.5e-10;
0; Mismatches 8
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RESULT 15
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APPLICANT: Lemisci
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INFORMATION FOR SEQ ID NO:
          SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/601,891
                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: ImClone Systems Incorporated STREET: 180 Varick Street
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                                                                                                         COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
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ATTORNEY/AGENT INFORMATION:
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                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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REGISTRATION NUMBER: 28
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY:
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                                                                                                                                         COUNTRY: U.S.A.
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15-FEB-1996
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                                                                                                                                                                                                                                                       RECEPTORS AND THEIR LIGANDS
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LEM-3-7P
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Pred. No. 6.5e-10;
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MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-601-891-7
Search completed: May 28, 2005, 17:23:11 Job time: 163 secs
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TELEPAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 7
SEQUENCE CHARACTERISTICS:
LENGTH: 96 base pairs
                                                                                                                                                                                                                                                       Query Match 9.7%;
Best Local Similarity 89.5%;
Matches 68; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 530
PRIOR APPLICATION NUMBER: US 07/977,451
APPLICATION NUMBER: US 07/906,397
FILING DATE: 19-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/906,397
FILING DATE: 26-JUN-1992
PRIOR APPLICATION NUMBER: US PCT/US92/05401
FILING DATE: 26-JUN-1992
PRIOR APPLICATION NUMBER: TW 81102961
FILING DATE: 15-APR-1992
PRIOR APPLICATION NUMBER: US PCT/US92/02750
FILING DATE: 15-APR-1992
PRIOR APPLICATION NUMBER: US 97/US92/02750
FILING DATE: 02-APR-1992
PRIOR APPLICATION NUMBER: US 07/813,593
FILING DATE: 14-NOV-1991
PRIOR APPLICATION NUMBER: US 07/793,065
FILING DATE: 15-NOV-1991
PRIOR APPLICATION NUMBER: US 07/728,913
PRIOR APPLICATION NUMBER: US 07/728,913
PRIOR APPLICATION NUMBER: US 07/728,913
PRIOR APPLICATION NUMBER: US 07/679,666
APPLICATION NUMBER: US 07/679,666
PILING DATE: 28-JUN-1991
PRIOR APPLICATION NUMBER: US 07/679,666
APPLICATION NUMBER: US 07/679,666
FILING DATE: 15-NOV-1991
PRIOR APPLICATION NUMBER: LEM-3-7P
TELEPHONE: 212-645-1405
                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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Result
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB
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/cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
/cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
/cgn2_6/ptodata/2/pubpna/US09N_PUBCOMB.seq:*
/cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
/cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
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_6/ptodata/2/pubpna/USO8_NEW_PUB.seq:*
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                 US-09-876-790-1
US-10-888-918-1
US-10-888-779-1
US-10-888-867-1
US-10-888-780-1
US-10-888-780-1
US-10-695-195-3
US-10-694-978-3
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5	US-10-063-555-141	-56	0-227-693-14	US-10-063-598-141	US-10-063-518-141	US-10-063-553-141	-554-1	US-10-063-549-141	02-	US-10-063-512-141	US-10-063-515-141	US-10-063-513-141	US-10-063-569-141	US-10-063-616-141	-551-	US-10-063-547-141	US-10-006-867-141	US-10-694-978-1	US-10-695-195-1	US-10-302-554-13	US-09-969-984-51	9-59	US-10-888-931-6	-780-	US-10-888-867-6	US-10-888-779-6	-918-	US-09-876-790-6	-931-	US-10-888-780-5	US-10-888-867-5	US-10-888-779-5	US-10-888-918-5
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ALIGNMENTS

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APPLICANT: YOUNG, PETER R.
APPLICANT: MCDONNELL, PETER C.
APPLICANT: KUMAR, SANJAY
TITLE OF INVENTION: INTERLEUKIN-1 HOMOLOGUE, MAT IL-1H4
FILE REFERENCE: GP-70607-1C1
CURRENT APPLICATION NUMBER: US/09/788,963
CURRENT FILING DATE: 2001-02-20
PRIOR APPLICATION NUMBER: 09/293,625
PRIOR APPLICATION NUMBER: 09/293,625
PRIOR FILING DATE: 1999-04-16
PRIOR APPLICATION NUMBER: 09/452,140
PRIOR FILING DATE: 1999-12-01
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1
LENGTH: 802
TYPE: DNA
ORGANISM: HOMO SAPIENS
US-09-788-963-1
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; Patent No. US20020052473A1
; GENERAL INFORMATION:
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Best Local S
Matches 521
159 GGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTA 218
                                                                      192 TGTTCACACAAGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCA 251
                                                                                                                                                      tch 79.5%; al Similarity 98.7%; 521; Conservative
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                                                                                               TCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCA 158
                                                                                                                                                      Score 516.8; DB 9;
Pred. No. 5.1e-162;
0; Mismatches 7;
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; TYPE: DNA;
; ORCANISM: Homo sapiens;
; FEATURE:
; NAME/KEY: CDS;
; LOCATION: (847)...(1503)
US-10-302-554-1
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APPLICANT: Sheppard, Paul O.
APPLICANT: Sheppard, Paul O.
APPLICANT: Go, Zeren
TITLE OF INVENTION: INTERLEUKIN-1 HOMOLOG Z:
FILE REFERENCE: 98-59
CURRENT APPLICATION UNMBER: US/10/302,554
CURRENT FILING DATE: 2002-11-22
PRIOR APPLICATION NUMBER: US/09/428,118
PRIOR FILING DATE: 1999-10-27
PRIOR FILING DATE: 1999-10-27
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SOFTWARE: FastSEQ for Windows Version
SEQ ID NO 1
                                                                                                                                                                                                                                     Matches
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Best Local Similarity
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Publication No. US20030148467A1
                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 1600
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                  CATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAA
                                                                           GGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTA
                                                                                                 GGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTA
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                                                                                                                                                        TGTTCACACAGTCCAAAGGTGAAGAACTTAAACCCCGAAGAATTCAGCATTCATGACCA
                                                                                                                                                                              TCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCA
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CATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAA
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                                                                                                                                                                                                                                                     79.5%;
98.7%;
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                                                                                                                                                                                                                                 Score 516.8; DB 15;
Pred. No. 7.3e-162;
0; Mismatches 7;
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                                                                                                                                                                                                                                                                        Length 1600;
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; LENGTH: 579
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-876-790-1
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US-09-876-790-1
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CURRENT FILING DATE: 2002-09-04
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: PatentIn version 3.1 SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                        Matches 516; Conservative
                                                                                                                                                                                                                                                                                                                                                                           Query Match
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APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA,
FILE REFERENCE: 2008-US
                                                                                                                                                                                                                                                                                                                                     Match 79.4%; Score 516; DB 10; I Local Similarity 100.0%; Pred. No. 7.9e-162; O; Mismatches 0;
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                                                                                                                                                                                                                            166 AAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTACATACGC 225
                                                                                                                                                                                                                                                                                    106 AGAGGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCAGGATCAC 165
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                                                                                                              CCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAAAGGAAAGGAAGT
                                                                                                                                           CCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAAAGGAAGT
                                                                                                                                                                                       AAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAAACTACATACGC
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APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XRECZ DNAS AND POLYPEPTI FILE REPERENCE: 2008-US
CURRENT APPLICATION NUMBER: US/10/888,918
CURRENT FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: 05/0112,163
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: 1998-12-14
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR PILING DATE: 1999-11-10
PRIOR PILING DATE: 1999-12-14
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                                     CCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGACAAGGATAAAGGA
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SEQ ID NO 1
LENGTH: 579
TYPE: DNA
ORGANISM: Homo sapiens
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Best Local Similarity
Matches 516; Conserv
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Publication No. US20050009138A1
GENERAL INFORMATION:
APPLICANT: SIMS, John E.
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APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND POLYPEPTII
FILE REFERENCE: 2008-US
CURRENT APPLICATION NUMBER: US/10/888,779
CURRENT FILING DATE: 2004-07-09
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: FCT/US99/29549
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-11-14
NUMBER: OF SEQ ID NOS: 15
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; ORGANISM: Homo sapiens
US-10-888-867-1
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Publication No. US20050009075A1
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PRIOR FILING DATE: 2001-06-06
PRIOR PRILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
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APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND POLYPEPTI
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NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn version 3.1
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CURRENT APPLICATION NUMBER: US/10/888,867
CURRENT FILING DATE: 2004-07-09
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-888-780-1
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US-10-888-780-1
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CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR APPLICATION NUMBER: 60/112,166,675
PRIOR APPLICATION NUMBER: 607/146,675
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR APPLICATION NUMBER: PCT/US99/29549
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
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                                                            GGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACCAGTTTGC
                                                                                                                                          GAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTT
                                                                                                                                                                                  GAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGGAACATGCTG
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; ORGANISM: Homo sapiens
US-10-888-931-1
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CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR PILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
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Publication No. US20050013798A1
GENERAL INFORMATION:
APPLICANT: SIMS, John E.
APPLICANT: SMITH, Dirk E.
APPLICANT: BORN, Teresa L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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Local Similarity 100.0%; P
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                                  AAAGCTGAAATGAGCCCCAGTGAGGTCAGCGATTAG 621
                                                                                               GGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACCAGTTTGC 585
                                                                                                                                          GAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTT
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                                                                               GGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACCAGTTTGC
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; Pred. No. 7.9e-162;
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RESULT 9
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Publication No. US20040068099A1
GENERAL INFORMATION:
APPLICANT: Timans, Jacqueline
TITLE OF INVENTION: Mammalian
NUMBER OF SEQUENCES: 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/695,195
FILING DATE: 27-Oct-2003
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LOCATION: 1..654
SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE: CDNA
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REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DXO
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
TELEFAX: (650)496-1200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/398,412
FILING DATE: 17-Sep-1999
ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Floppy disk
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ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
TGAAGCTGGCCGAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGG
                                                                                                                                                                                                                                                                        CAGATAAAAACTACATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAG
                                                                                                                                                                                                                                                                                                                                            GCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTC 205
                                                                                                                                                                                                                                                                                                                                                                                                         CCGCCATGAATTTTGTTCACACAAGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCA
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TYPE: nucleic acid
                                                                                                           CCTCTGCGGAGAAAGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTTGTCTCT
                                                                                                                                                                                                                                   CAGATAAAACTACATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAG
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97.6%;
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Pred. No. 1.6e-161;
0; Mismatches 13;
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Cytokines; Related Reagents
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US-10-694-978-3
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                                                                                                                                                                             Query Match
Best Local Similarity
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                                                                                                                                                            Matches 523;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DXO9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)496-1200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0,

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                           LOCATION: 1..654
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
                                                                                                                                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/10/694,978
FILING DATE: 27-Oct-2003
CLASSIFICATION: cUnknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                       FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AL INFORMATION:
APPLICANT: Timans, Jacqueline
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Mammalian
                                         146
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                          GCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTC 205
                                                                                                       CCGCGAATTCAGCTCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCGGAAGAAATTCA
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                                                                                CCGCCATGAATTTTGTTCACACAAGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCA
                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 657 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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  GCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTC
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                                                                                                                                                                                                                                                                                                NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/398,412 FILING DATE: 17-Sep-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Palo Alto
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 901 California Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: DNAX Research Institute
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                                                                                                                                                                             79.3%;
                                                                                                                                                          Score 515.2; DB 17
Pred. No. 1.6e-161;
0; Mismatches 13;
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CURRENT FILING DATE: 2002-09-04
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
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                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 657
TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                    Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: SMITH, Dirk B.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND POLYPEPTII
FILE REFERENCE: 2008-US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: SIMS, John E.
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                                                                        CATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAA
                                                                                                                     GGATCACAAAGTACTGGTCCTGGGACTCTGGGAATCTCATAGCAGTTCCCAGATAAAAACTA
                                                                                                                                                          GGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTCCAGATAAAACTA
                                                                                                                                                                                                   TGTTCACACAAGTCCAAAGGTGAAGAACTTAAACCCGAAGAAATTCAGCATTCATGACCA
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AGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGGAGTTTTGTCTCTACTGTGACAAGGA 338
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                                                                                                                                                                                                                                                                                Score 515; DB 10;
Pred. No. 1.8e-161;
0; Mismatches 5;
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Length 657; Indels

0

Gaps

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314

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APPLICANT: SIMS, John E.
APPLICANT: SMIMS, John E.
APPLICANT: BORN, Teresa L.
APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND POLY
FILE REFERENCE: 2008-US
CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/10/888,918
CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 1999-12-14
PRIOR FILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: 607/146,675
PRIOR APPLICATION NUMBER: 007/146,675
PRIOR FILING DATE: 1999-11-10
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
CONTWARRE: DATE: 1999-12-14
                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn version 3.1; SEQ ID NO 5; LENGTH: 657; TYPE: DNA; ORGANISM: Homo sapiens US-10-888-918-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-888-918-5
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Best Local Similarity
Matches 518; Conserv
339
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                                                          AGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGACAAGGA 338
                                                                                                                                           CATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGGAGAA 278
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CATACGCCCAGAGATCTTTTGCATTAGCCTCATCCTTGAGCCTCAGCCTCTGCGGAGAA
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PRIOR FILING DATE: 1998-12-14
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR APPLICATION NUMBER: PCT/US99/29549
PRIOR FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 657
TYPE: DNA
ORGANISM: Homo sapiens
US-10-888-779-5
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US-10-888-779-5
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Publication No. US20050009138A1
GENERAL INFORMATION:
APPLICANT: SIMS, John E.
APPLICANT: SMITH, Dirk E.
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Best Local Similarity 99.0%;
Matches 518; Conservative
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CURRENT APPLICATION NUMBER: US/10/888,779
CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
PRIOR FILING DATE: 2001-06-06
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APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND POLYPEPTII
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CCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCCTCAGGTGGGCTCCTGGAA 458
                                                            AGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGACAAGGA
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Pred. No. 1.8e-161;
0; Mismatches 5;
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FILE OF INVENTION: 11-1 ZEIA, 11-1 ZEIA SPI
FILE REFERENCE: 2008-US
CURRENT APPLICATION NUMBER: US/10/888,867
CURRENT FILING DATE: 2004-07-09
PRIOR APPLICATION NUMBER: US/09/876,790
PRIOR APPLICATION NUMBER: 60/112,163
PRIOR FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: 60/146,675
PRIOR APPLICATION NUMBER: FO/146,675
PRIOR APPLICATION NUMBER: PCT/US/99/29549
PRIOR APPLICATION NUMBER: PCT/US/99/29549
PRIOR APPLICATION NUMBER: PCT/US/99/29549
PRIOR APPLICATION NUMBER: PCT/US/99/29549
PRIOR PILING DATE: 1999-11-10
PRIOR APPLICATION NUMBER: PCT/US/99/29549
PRIOR FILING DATE: 1999-12-14
SOCTUMBER OF SEQ ID NOS: 15
SCOTUMBER OF SEQ ID NOS: 15
SEQ ID NO 5
LENGTH: 657
TYPE: DNA
ORGANISM: Homo sapiens
US-10-888-867-5
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Best Local Similarity
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  CATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGA 518
                                                                                                                CCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGGAA 458
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BORN, Teresa L.
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Pred. No. 1.8e-161;
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; TYPE: DNA
; ORGANISM: Homo s
US-10-888-780-5
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Publication No. US20050013797A1
GENERAL INFORMATION:
APPLICANT: SIMS, John B.
APPLICANT: SMITH, Dirk E.
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Best Local Similarity
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APPLICANT: BORN, Teresa L.
TITLE OF INVENTION: IL-1 ZETA, IL-1 ZETA SPLICE VARIANTS AND XREC2 DNAS AND POLYPEPTII
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Search Job ti	рь	Ş	В
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ALIGNMENTS

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/organism="Homo sapiens" /mol type="mcNA" /db_xref="taxon:9606" /db_xref="taxon:9606" /clone="IMAGB:2061969" /tissue_type="colon tumor, RER+" /lab_host="DHO10B" /clone_lib="WCI_CGAP_Col6" /note="Organ: colon; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; modified polylinker; Site_1: Not I; Site_2: Eco RI; Plasmid DNA from the normalized library NCI_CGAP_Col0 was prepared, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR-amplified cDNAs from a pool of 5,000 clones made from the same library (cloneIDs 1057416-1061255, and 1144584-1145351).	ennon, Ph.D. ennon, Ph.D. ennon, Ph.D. oniversity Genome S one distribution i sortium/LLNL at: e.html 0.00		AI343258 AI343258 AI343258 AI343258 AI343258 AI343258 AI343258 AI343258 AI343258 AI343259 AI343259 AI343258 AI343258 AI343258.1 GI:4080464 EST. Homo sapiens (human) Homo sapiens (human) Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

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Tissue Procurement: CLONTECH Laboratories, Inc.
CDNA Library Preparation: CLONTECH Laboratories, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
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                                                                                                   found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
                                                                                                                                                                                                                                                                                                             Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BG620449.1
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                                                                           Plate: LLCM1589 row: c column: 22
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                        quality sequence stop: 709.
Location/Qualifiers
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2.4e-139;
1es 2;
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                                                                                                                                                                                                                                                        AI014548 485 bp rou40f01.x1 Soares_NFL_T_GBC_S1 Homo NMAGE:1628761 3', mRNA sequence.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 485)
                                                                                                                                                                                                  AI014548
AI014548.1 GI:3228929
                                                                                                    Homo sapiens
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Similarity 94.0%;
82; Conservative
                                                                                                                               Homo sapiens
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/clone lib="NIH MGC 79"
/clone lib="NIH MGC 79"
/note="Torgan: placenta; Vector: pDNR-LIB (Clontech);
/note="Torgan: pDNR-LIB (Clontech);
/note="Torgan: placenta; Vector: pDNR-LIB (Clontech);
/note="Torgan: placenta; Vector: pDNR-LIB (Clontech);
/note="Torgan: placenta; Vector: pDNR-LIB (Clontech);
/note="Torgan: pDNR-LIB (Clontech);
/note="Torgan: placenta; Vector: pDNR-LIB (Clontech);
/note="Torgan: pDNR-LIB (Clontech);
/note="Torgan: placenta; Vector: placenta;
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/db_xref="taxon:9606"
/clone="IMAGE:4731213"
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                                                                                                                                   (human)
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Pred. No. 2.4e-120;
0; Mismatches 27;
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sapiens cDNA clone
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                                    BX283240 NIH MGC 79 Homo sapiens cDNA clone IMAGE: 4731213, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
This clone is available royalty-free through LLNL;
IMAGE Consortium (info@image.llnl.gov) for further i
Insert Length: 1052 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 424.
Location/Qualifiers
BX283240
BX283240.1 GI:28847694
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                               AACCAGTTTGCAAAGCTGAAATGAGCCCCAGTGAGGTCAGCGATTAGGAAAC 74
                                                                                                                                                                                                                                                                                       ATGAGCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTC
                                                                                                                                                                                                                                                                                                                                                               GGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTA 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGGATAAAGGACAAAGTCATCCATCCCTTCAGCTGAAGAAGGAGAAACTGATGAAGCTGG 394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AGAAAGGAAGTCCGATTCTCCTGGGGGTCTCTAAAGGGGAGTTTTGTCTCTACTGTGACA 334
                                                                                                                                                                                                                    AACCAGTTTGCAAAGCTGAAATGAGCCCCAGTGAGGTCAGCGATTAGGGTAC 626
                                                                                                                                                                                                                                                           ATGAGCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTC
                                                                                                                                                                                                                                                                                                                                      GGAACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACTACATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAGCCTCTGCGG 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                         CTGCCCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /clone lib="Soares NFL T GBC S1"
/clone lib="Soares NFL T GBC S1"
/note="Organ: pooled; Vector: pT7T3D-Pac (Pharmacia) with
a modified polylinker; Site 1: Not I; Site 2: Eco RI;
Equal amounts of plasmid DNA from three normalized
libraries (fetal lung NbHL19W, testis NHT, and B-cell
NCI CGAP GCB1) were mixed, and se circles were made in
vitro. Following HAP purification, this DNA was used as
tracer in a subtractive hybridization reaction. The driver
was PCR-amplified cDNAs from pools of 5,000 clones made
from the same 3 libraries. The pools consisted of
I.M.A.G.E. clones 297480-302087, 682632-687239,
726408-728711, and 729096-731399. Subtraction by Bento
Soares and M. Fatima Bonaldo. "
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:1628761"
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Pred. No. 2.2e-113;
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                                                           linear EST 04-MAR-2003
IMAGp958C221589 ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human UnigeneSet -
Unpublished (2003)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This clone is available royalty-free from RZPD; contact RZPD (clone@rzpd.de) for further information. Seq primer: pCMV-M13u, Primer sequence: CGTTGTAAAACGACGGCCAGT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RZPD Deutsches Ressourcenzentrum fuer Genomforschung
Im Neuenheimer Feld 580, D-69120 Heidelberg, Germany
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ebert, L., Heil, O., Hennig, S., Radelof, U., Schneider, D. and F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RZPDLIB; I.M.A.G.E. cDNA Clone Collection;
Human UnigeneSet - RZPD3 (RZPDLIB No.972)
http://www.rzpd.de/CloneCards/cgi-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RZPD; IMAGp958C221589
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mammalia; Eutheria;
1 (bases 1 to 372)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa;
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                                                                                                                                                                                                                       CAGATAAAAACTACATACGCCCAGAGATCTTCTTTGCATTAGCCTCATCCTTGAGCTCAG
                                                                                                                                                                                                                                                                                                         GCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTC
                                                                                                                                                                                                                                                                                                                                                                                    CCGCGAATTCAGCTCTTTGCAGAGGTCCAAAGGTGAAGAACTTAAACCCCGAAGAAATTCA 145
ACTGTGA 372
                                                                                                                       CCTCTGCGGAGAAAGGAAGTCCGATTCTCCCTGGGGGGTCTCTAAAGGGGAGTTTTTGTCTCT
                                                                                                                                                                                                                                                                      GCATTCATGACCAGGATCACAAAGTACTGGTCCTGGACTCTGGGAATCTCATAGCAGTTC
                                                                                                                                                                                                                                                                                                                                                          CCGCCATGAATTTTGTTCACACAGAGTCCAAAGGTGAAGAACTTAAACCCCGAAGAAATTCA
                                          ACTGTGA 332
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C, or G and N = A, C, G, or T). Average insert size 1.3 kb (range 0.5-4.0 kb). 15/15 colonies contained inserts by PCR. This library was enriched for full-length clones and was constructed by Clontech Laboratories (Palo Alto, CA). Note: this is a NIH_MGC Library."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     note="Organ: placenta; Vector: pDNR-LIB (Clontech);
Site 1: SfiI (ggccgctccggcc); Site 2: SfiI
(ggccattatggcc); S and 3: adaptors were used in cloning
as follows: 5' adaptor sequence: 5'-CACGGCCATTATGGCC-3'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and 3' adaptor sequence:
5'-ATTCTAGAGGCCGAGGCGGCCGACATG-dT(30) BN-3' (where B =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /clone="IMAGp958C221589 ; IMAGE:4731213"
/lab host="DH10B (T1 phage-resistant)"
/clone_lib="NIH_MGC_79"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
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94.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 226.2; DB 5
Pred. No. 1.4e-57;
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RESULT 6
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CF762015 670 bp mRNA linear EST 17-00 CES000784 Bos taurus skin cDNA library Bos taurus cDNA clone CCL000784 5', mRNA sequence.
CEF762015 CF762015.1 GI:37711233
EST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: mdadams@tigr.org
Clones are available from
end search page:
http://www.tigr.org/tdb/hu
Seq primer: M13 Reverse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Adams,M.D., Rounsley,S.D., Zhao,S., Field,C.E., Bass,S., Linher, Golden,K., Berry,K., Granger,D., Suh,E., Wible,C., Shizuya,H., Simon,M. and Venter,J.C.
Use of a random BAC End Sequence Database for Sequence-Ready Map Building (1998)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Contact: Mark Adams
Department of Eukaryotic Genomics
Department for Genomic Research
The Institute for Genomic Reckville,
9712 Medical Center Dr., Rockville,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unpublished (1998)
Other_GSSs: CIT-HSP-2326018.TV
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1 (bases 1 to 316)
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CIT-HSP-2326018.TR CIT-HSP Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tel: 301 838 0200
Fax: 301 838 0208
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (human)
                                                                                                                                                                                                                                                  GAGCCTGTTGGGGTGACAGATAAATTTGAGAAACAGGAAACACATTGAATTTTCAA
                                                                                                                                                                                                                                                                                                                                                                               GCCCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGG
                                                                                                                                                                                    CCAGTTTGCAAAGCTGAAATGAGCCCCCAGTGAGGTCAGCGATTAGGGTAC 626
                                                                                                                                                                                                                                                                                              AACATGCTGGAGTCGACGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAAT
                                                                                                                                                                                                                                                                                                                            AACATGCTGGAGTCGGCGGCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAAT 516
                                                                                                                                                                                                                                                                                                                                                                GCCCAAAAGGAATCAGCACGCCGGCCCTTCATCTTTTATAGGGCTCAGGTGGGCTCCTGG
                                                                                                                                                                CCAGTTTGCAAAGCTGAAATGAGCCCCAGTGAGGTCAGCGATTAGGAAAC
                                                                                                                                                                                                                                GAGCCTGTTGGGGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  p://www.tigr.org/tdb/humgen/bac_end_search/bac_end_search.html.
primer: M13 Reverse
ss: BAC ends.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /cell_type="Sperm"
/clone_lib="CIT-HSP"
/note="Vector: pBeloBAC11; Site_1: HindIII; Site_2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       clone="2326018"
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Pred. No. 2.7e-57;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Research Genetics (info@resgen.com). BAC
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C., Shizuya,H.,
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ne 2326018,
                                                                                EST 17-OCT-2003
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SOURCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       305;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bovinde; .... (1) Bovinde; .... (2) Bovinde; .... (3) Boses 1 to 670) Wang, Y.H., McWilliam, S. and Lehnert, S. Wang, Y.H., McWilliam, G. and Lehnert, S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Email: Yonghong.Wang@csiro.au
Plate: 18 row: D column: 12
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Level 5, Queensland Biosciences Precinct, University of Queensland,
Level 5, Queensland Biosciences Precinct, University of Queensland,
Level 5, Queensland Biosciences Precinct, University of Queensland,
Tevel 107 3214 2445
Fax: 07 3214 2685
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bos taurus (cow)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
AGCTGAAAT
                                                                                                   GGTGACAGATAAATTTGAGAACAGGAAACACATTGAATTTTCATTTCAACCAGTTTGCAA
                                                                                                                                                                                 GTCGGCCGCCTCACCCCGGATGGTTCATCTGCACCTCCTGCAATTGTAATGAGCCTGTTGG
                                                                                                                                                                                                                                                                                                                                                 AAGTCATCCATCAGCTGAAGAAGGAGAGAGCTGATGAAGCTGGCCTGCCCAAAAGGA
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                                                                ATTG-CAAAGAGTCACAGTAGAAGGAAACACACTGAGGTTTCATTTCGGCGCGCATCTAAAA
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                                                                                                                                                                                                                                                                                                                       CA--
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                       /tissue_type="pooled"
/dev stage="Adult"
/lab_host="XI1-BlueWRF'strain"
/clone_lib="Bos taurus skin cDNA library"
/note="Organ: skin; Vector: Uni-ZAPXR; Site_1: EcoRI;
Site_2: Xho I; Library made from pooled skin of adult
female Hereford-Shorthorn."
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/mol_type="mRNA"
/strain="Hereford Shorthorn"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sex="female"
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Pred. No. 3.3e-41;
0; Mismatches 180;
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RESULT 8
BG271067
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AUTHORS
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VERSION
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 123;
Eukaryota; Metazoa;
Mammalia; Eutheria;
1 (bases 1 to 299)
                                                                                                                                              BG271067 29 bp mRNA linear EST 13-MJ ib03h11.y1 Melton Mouse Adult Pancreas 1 Mus musculus cDNA c. IMAGE:5646957 5' similar to SW:TRYP_MOUSE P07146 TRYPSINOGEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kirkness,E.F., Bafna,V., Halpern,A.L.,
Rusch,D.B., Delcher,A.L., Pop,M., Wang,
Venter,J.C.
                                                   Mus musculus
                                                                                                                       PRECURSOR ;, mRNA sequence.
BG271067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The Institute for Genomic Department of Eukaryotic Rockville, MD 20850, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The dog genome: survey sequencing and comparative analysis Science 301 (5641), 1898-1903 (2003)
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Mammalia; Eutheria; Carnivora; Fissipedia; Canidae;
1 (bases 1 to 624)
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                                                                                                  BG271067.1 GI:12978839
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  genomic survey sequence
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                                                                                                                                                                                                                                                                                                                                                                                                            CCAGAGATGTTCTTTGTCTTGGCCTCCTCCCTGAGCTCAGCCTCTAAGGAGAAAGGAAAGT
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                                                                  musculus (house
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Canis familiaris"
/mol_type="genomic DNA"
/strain="Standard Poodle"
/db_xref="taxon:9615"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note="Site 1: BstXI; Libraries were prepared from
peripheral blood"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   clone.
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83.7%;
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              Chordata; Craniata; Vertebrata; Euteleostomi; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                    mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 108.6; DB 9;
Pred. No. 1.6e-21;
0; Mismatches 24;
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Pog
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                                                                                                                                                                                   EST 13-MAR-2002
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Canis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
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                   Mus.
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ACCESSION
VERSION
KEYWORDS
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Mammalia; Eutheria; Rodentia; Sciurognathi; I (bases 1 to 342)
Carninci, P., Waki,K., Shiraki,T., Konno,H., i Alzawa,K., Arakawa,T., Ishii,Y., Sasaki,D., i Sugahara,Y., Saito,R., Osato,N., Fukuda,S., Hirozane-Kishikawa,T., Nakamura,M., Shibata,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   62;
                                                                                                                                                                                                                                                        BY793571 RIKEN full-length enriched, 17.5 days embryo Mus musculus cDNA clone L930285A07 5', mRNA sequence.
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                                                                                                                                                   Mus musculus (house mouse)
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Library was constructed by Dr. Douglas Melton DNA :
Washington University Genome Sequencing Center For
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Seq primer: -40RP from Gibco
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              obtaining a clone please contact: Juliana Brown (brown@fas.harvard.edu)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Douglas Melton, Klaus H. Kaestner, & Hiroshi Inoue
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Location/Qualifiers
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/dev_stage="Adult"
/lab_host="TOP10"
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/mol_type="mRNA"
/strain="ICR"
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/clone="IMAGE:5646957"
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Carninci,P., Waki,K., Shiraki,T., Konno,H., Shibata,K., Itoh,M., Aizawa,K., Arakawa,T., Ishii,Y., Sasaki,D., Bono,H., Kondo,S., Sugahara,Y., Saito,R., Osato,N., Fukuda,S., Sato,K., Watahiki,A., Hirozane-Kishikawa,T., Nakamura,M., Shibata,Y., Yasunishi,A., Kikuchi,N., Yoshiki,A., Kusakabe,M., Gustincich,S., Beisel,K., Eavan,W., Aidinis,V., Nakagawara,A., Held,W.A., Iwata,H., Kono,T., Nakauchi,H., Lyons,P., Welle,C., Hume,D.A., Fagiolini,M., Hensch,T.K., Brinkmeier,M., Camper,S., Hirota,J., Mombaerts,P., Muramatsu,M., Okazaki,Y., Kawai,J. and Hayashizaki,Y.
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Laboratory for Genome Exploration Research Group, RIKEN
Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-
                                                                                                                                                                                                                                                                                                                                                                                                              BY768696
BY768696 RIKEN full-length enriched, 17.5 days embryo whole body musculus cDNA clone L930023M20 5', mRNA sequence.
                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus (bases 1 to 363)
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Please visit our web
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Encyclopedia Project of Genome Exploration Research Group in Riken
Genomic Sciences Center and Genome Science Laboratory in RIKEN.
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/mol_type="mRNA"
/strain="C57BL/6J"
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/dev_stage="17.5 days embryo"
/clone_lib="kIKEN full-length enriched,
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                                                                                                                                                        Carninci, P., Waki, K., Shiraki, T., Konno, H., Shibata, K., Itoh, M., Aizawa, K., Arakawa, T., Ishii, Y., Sasaki, D., Bono, H., Kondo, S., Sugahara, Y., Saito, R., Osato, N., Fukuda, S., Sato, K., Watahiki, A., Hirozane-Kishikawa, T., Nakamura, M., Shibata, Y., Yasunishi, A., Kikuchi, N., Yoshiki, A., Kusakabe, M., Gustincich, S., Beisel, K., Kikuchi, N., Yoshiki, A., Kusakabe, M., Gustincich, S., Beisel, K., Pavan, W., Aidinis, V., Nakagawara, A., Held, W.A., Iwata, H., Kono, T., Nakauchi, H., Lyons, P., Wells, C., Hume, D. A., Fagiolini, M., Hensch, T.K., Brinkmeier, M., Camper, S., Hirota, J., Mombaerts, P., Muramatsu, M., Okazaki, Y., Kawai, J. and Hayashizaki, Y., Kaw
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BY771752 RIKEN full-length enriched, 17.5 days embryo whole body musculus cDNA clone L930056N12 5', mRNA sequence.
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Please visit our web site (http://genome.gsc.riken.jp/) for
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Encyclopedia Project of Genome Exploration Research Group in Riken
Genomic Sciences Center and Genome Science Laboratory in RIKEN.
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                                                                     Targeting a complex transcriptome: the construction of full-length cDNA encyclopedia Genome Res. 13 (6B), 1273-1289 (2003)
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whole body"
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/dev_stage="17.5 days embryo"
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/mol_type="mRNA"
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                                                                                                                                                                                                                                                                                                 Melton,D., Meadows,A., Clifton,S., Hillier,L., Wylie,T., Martin,J., Blistain,A., Schmitt,A., Ritter,E., Ronko,I., Bennett,J., Cardenas,M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BG270250 500 bp mRNA linear EST 13-Mibl11a12.yl Melton Mouse Adult Pancreas 2 Mus musculus cDNA c. IMAGE: 647391 5', similar to SW:TRYP_MOUSE P07146 TRYPSINOGEN
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Library was constructed by Dr. Douglas Melton D
Washington University Genome Sequencing Center
obtaining a clone please contact: Juliana Brown
                                                                                                                                                                                             Unpublished (2000)
Contact: Douglas Melton, Klaus H. Kaestner, & Hiroshi
                                                                                                                                                          Endocrine Pancreas Consortium Harvard University, Howard Hug
                                                                                                                                                                                                                                                             Bowers, Y.
                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleosto
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
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BG270250
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Laboratory for Genome Exploration Research Group, RIKEN
Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-
                                                            Email: dmelton@biohp.harvard.edu
                                                                               Tel: 617-495-1812
Fax: 617-495-8557
                                                                                                                                                                                                                                           WashU-Harvard Pancreas EST Project
                                                                                                                                                                                                                                                                            McCann, R., Cole, R., Tsagareishvili, R.,
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Division of Experimental Animal Research in Riken contributed to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tel: 81-45-503-9222 Fax: 81-45-503-9216
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/clone="L930056N12"
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                                                                                                                                                                                                                                                                                                                                                       Melton,D., Meadows,A., Clifton,S., harries, ..., Melton,D., Meadows,A., Clifton,S., harries, ..., Theising,B., Wylie,T., Martin,J., Blistain,A., Schmitt,A., Theising,B., Ritter,E., Ronko,I., Bennett,J., Cardenas,M., Gibbons,M., McCann,R., Cole,R., Tsagareishvili,R., Williams,T., Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        67
obtaining a clone please contact: Juliana Brown (brown@fas.harvard.edu)
MGI:1854105 This sequence now available from the for clone orders contact: info@image.llnl.gov
                                                                                   Email: dmelton@biohp.harvard.edu
Library was constructed by Dr. Douglas Melton DNA sequencing by
Washington University Genome Sequencing Center For information
                                                                                                                                                                                                                       Endocrine Pancreas Consortium
Harvard University, Howard Hughes Medical Institute
Dept of Molecular and Cellular Biology, 7 Divinity
                                                                                                                                                                                                                                                                                      Contact: Douglas Melton, Klaus H. Kaestner, & Hiroshi Inoue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BG270248 527 bp mRNA linear EST 13-M ibl1a09.yl Melton Mouse Adult Pancreas 2 Mus musculus cDNA c IMAGE:5647385 5' similar to SW:TRYP_MOUSE P07146 TRYPSINOGEN
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                                                                                                                                                        Tel: 617-495-1812
Fax: 617-495-8557
                                                                                                                                                                                                                                                                                                               Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                    WashU-Harvard Pancreas EST Project
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/dev_stage="Adult"
/lab_host="TOP10"
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/mol_type="mRNA"
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/clone="IMAGE:5647391"
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now available from the info@image.llnl.gov
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                                                                                                                         Email: dmelton@biohp.harvard.edu
Library was constructed by Dr. Douglas Melton DNA sequencing
Washington University Genome Sequencing Center For informatic
obtaining a clone please contact: Juliana Brown
                                                                                                                                                                                                                                                                                   Endocrine Pancreas Consortium
Harvard University, Howard Hughes Medical
Dept of Molecular and Cellular Biology, 7
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ibllb08.yl Melton Mouse Adult Pancreas 2 Mus musculus cDNA c.
IMAGE:5647431 5' similar to SW:TRYP_MOUSE P07146 TRYPSINOGEN
                                                              (brown@fas.harvard.edu)
MGI:1854151 This sequence now available from the IMAGE consortium,
for clone orders contact; info@image.llnl.gov
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BG270253
                                                                                                                                                                                                                        Tel: 617-495-1812
Fax: 617-495-8557
                                                                                                                                                                                                                                                                                                                                                      Contact: Douglas Melton, Klaus H. Kaestner, & Hiroshi
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h quality sequence stop: 508.
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/note="Organ: Pancreas; Vector: pZErO-2; S
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/lab_host="TOP10"
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(mol_type="mRNA"
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Pred. No. 0.00023;
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Divinity Ave, Cambridge,
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                                                                                                Shibata, K., Itoh, M., Aizawa, K., Nagaoka, S., Sasaki, N., Carninci, P., Konno, H., Akiyama, J., Nishi, K., Kitsunai, T., Tashiro, H., Itoh, M., Sumi, N., Ishii, Y., Nakamura, S., Hazama, M., Nishine, T., Harada, A., Yamamoto, R., Matsumoto, H., Sakaguchi, S., Ikegami, T., Kashiwagi, K., Fujiwake, S., Inoue, K., Togawa, Y., Izawa, M., Ohara, E., Watahiki, M., Yoneda, Y., Ishikawa, T., Ozawa, K., Tanaka, T., Matsuura, S., Kawai, J., Okazaki, Y., Muramatsu, M., Inoue, Y., Kira, A. and Hayashiraki, Y. RIKEN integrated sequence analysis (RISA) system-384-format sequencing pipeline with 384 multicapillary sequencer
                                                                                                                                                                                                                                                                                                                                                             Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K., Itoh,M., Konno,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y. Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genome Res. 10 (10), 1617-1630 (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Meth. En:
99279253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              815 bp mRNA linear HTC 03-APR-200 Mus musculus adult male spleen cDNA, RIKEN full-length enriched library, clone:0910001K11 product:trypsin 2; full insert sequence. AK003082
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High-efficiency full-length cDNA cloning
Meth. Enzymol. 303, 19-44 (1999)
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HTC; CAP trapper
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The RIKEN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TCACCATGTCTGCACTTCTGATCCTAGCTCTTGTTGGAGCTGCAGTTGCTGACTACAAAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               musculus (house mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone lib="Melton Mouse Adult Pancreas 2"
/note="Organ: Pancreas; Vector: pZErO-2; Site_1: Not I;
Site_2: Xho I; Library constructed using SuperScript
Plasmid Library kit (Life Technologies). cDNA made by
oligo-dT priming. Xho I site destroyed during cloning.
Size-selected by column fractionation. Primary library
unamplified."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         organism="Mus musculus"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             dev_stage="Adult"
lab_host="TOP10"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  clone="IMAGE:5647431"
Genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tissue_type="Total Pancreas"
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Exploration Research
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 52.4; DB 4;
Pred. No. 0.00025;
0; Mismatches 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16;
Group
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  Phase
  H
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    Team
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  and the
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TITLE JOURNAL REFERENCE

Nature 409,

AUTHORS

The FANTOM Consortium and the RIKEN Genome Exploration Research

FANTOM Consortium.

Functional annotation of a full-length mouse cDNA collection

(2001)

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JOURNAL
REFERENCE
AUTHORS
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JOURNAL
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                       polyA_site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (10-JUL-2000) Yoshihide Hayashizaki, The Institute of Physical and Chemical Research (RIKEN), Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center (GSC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Group Phase I & II Team.
Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs
Nature 420, 563-573 (2002)
6 (bases I to 815)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RIKEN Yokohama Institute; 1-7-22 Suehiro-cho, Tsurumi-ku, Kanagawa 230-0045, Japan (E-mail:genome-res@gsc.riken.jp, URL:http://genome-gsc.riken.jp/, Tel:81-45-503-9222, Fax:81-45-503-9216)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        details.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Please visit our web site (http://genome.gsc.riken.jp/) for further
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Host:
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815
                                                                                      791.
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Best Local S
Matches 62
                                                                                                    Local Similarity
                     53
73 ATGATGATGACAAGATTG 90
                                           13 TCACCATGAGTGCACTTCTGATCCTAGCCCTTGTGGGAGCTGCTGTTGCTTTCCCTGTGG
                                                                                        62;
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                     ACGATGACGACAAGCTTG 82
                                                          TCACCATGTCTGCACTTCTGATCCTAGCTCTTGTTGGAGCTGCAGTTGCTGACTACAAAG
                                                                                         Conservative
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Pred. No. 0.00027;
                                                                                          Mismatches
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                                                                                        Gaps
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